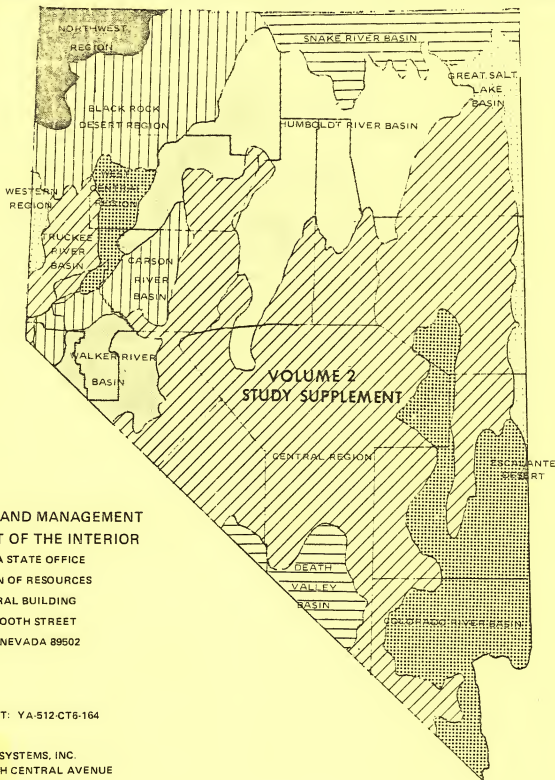




AGRICULTURAL POTENTIAL

OF NATIONAL RESOURCE LANDS IN THE STATE OF NEVADA



**BUREAU OF LAND MANAGEMENT
DEPARTMENT OF THE INTERIOR**

NEVADA STATE OFFICE
DIVISION OF RESOURCES
FEDERAL BUILDING
3008 BOOTH STREET
RENO, NEVADA 89502

CONTRACT: YA-512-CT6-164

BRI SYSTEMS, INC.
30 NORTH CENTRAL AVENUE
PHOENIX, ARIZONA 85068

SEPTEMBER 30, 1976

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This volume is a supplement to the report specifying the agricultural potential of the National Resource Lands located in Nevada.

The supplement consists of four sections:

Appendix A: General Reference Data

Appendix B: Physical Resource

Feasibility Analysis Data

Appendix C: Economic Data References

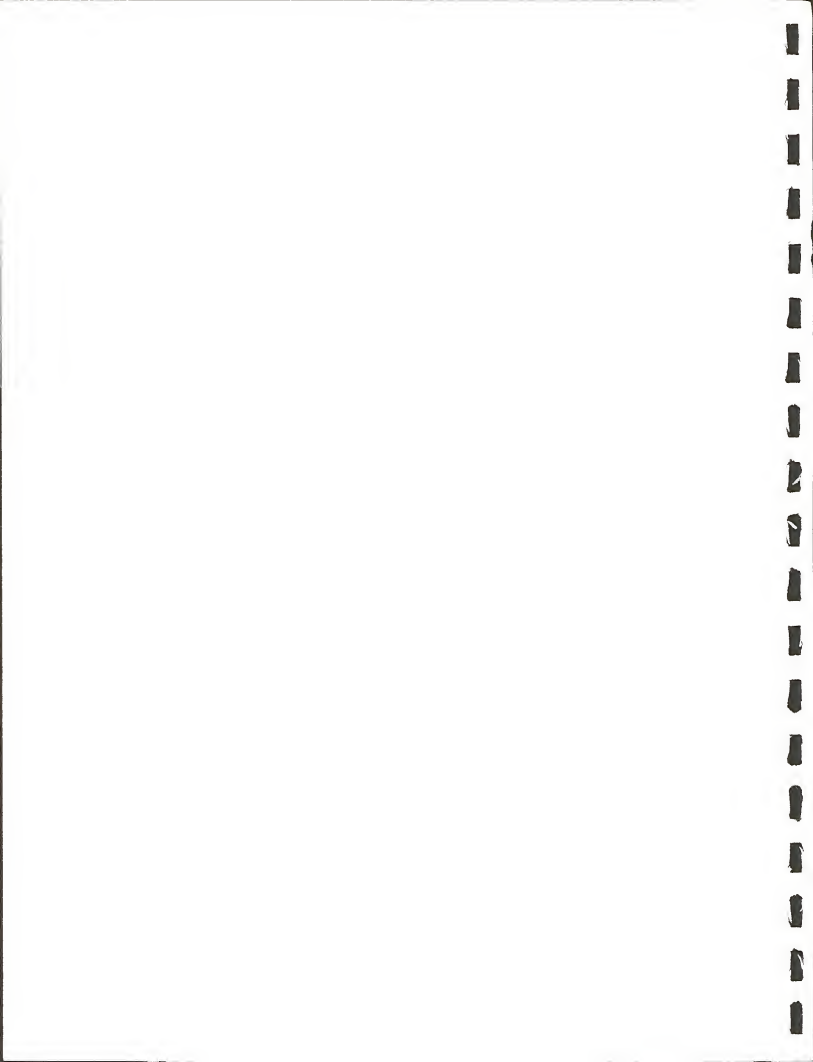
Appendix D: Bibliography

The Table of Contents specifies the information presented in each section.



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REPORT SUPPLEMENT

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APPENDIX A

GENERAL REFERENCE INFORMATION

State	Area					
	Land		Inland water		Total	
State	Square miles	Acres	Square miles	Acres	Square miles	Acres
Alabama.....	50,708	32,493,120	901	578,640	51,609	33,071,760
Alaska.....	586,432	302,310,480	19,089	12,787,200	605,521	373,903,680
Arizona.....	113,417	72,586,880	492	314,880	113,909	72,901,760
Arkansas.....	51,945	33,244,800	1,139	741,760	53,084	33,986,560
California.....	156,361	100,071,040	2,332	1,492,480	158,693	101,563,520
Colorado.....	103,706	66,410,240	481	307,840	104,187	66,718,080
Connecticut.....	4,862	3,111,680	147	94,080	5,009	3,205,760
Delaware.....	1,982	1,268,480	73	48,000	2,055	1,316,480
District of Columbia.....	61	39,680	0	0	61	42,880
Florida.....	54,090	34,617,600	4,470	2,860,800	58,560	37,478,400
Georgia.....	58,073	37,160,720	803	513,920	58,876	37,674,640
Hawaii.....	6,423	4,112,000	25	16,000	6,448	4,128,000
Idaho.....	82,677	52,913,280	880	563,200	83,557	53,476,480
Illinois.....	53,748	33,678,720	652	417,280	54,400	34,096,000
Indiana.....	36,097	23,102,080	194	124,160	36,291	23,226,240
Iowa.....	55,941	35,802,240	340	223,360	56,281	36,025,600
Kansas.....	81,747	52,343,680	477	303,280	82,224	52,646,880
Kentucky.....	39,630	25,376,000	745	470,800	40,375	25,846,800
Louisiana.....	44,030	28,735,200	3,503	2,209,320	47,533	31,054,720
Maine.....	30,020	19,758,400	2,203	1,408,800	32,223	21,167,200
Maryland.....	9,801	6,330,240	686	439,040	10,487	6,769,280
Massachusetts.....	7,826	5,008,640	431	275,840	8,257	5,284,480
Michigan.....	30,817	19,862,880	1,399	893,360	32,216	20,756,240
Minnesota.....	79,289	50,744,960	4,779	3,038,560	84,068	53,783,520
Mississippi.....	47,206	30,299,440	420	268,800	47,626	30,568,240
Missouri.....	68,995	44,156,800	691	442,240	69,686	44,599,040
Montana.....	145,387	93,175,840	1,551	992,640	146,938	94,168,480
Nebraska.....	76,483	48,940,120	744	476,160	77,227	49,416,280
Nevada.....	109,889	70,328,960	631	406,640	110,520	70,735,600
New Hampshire.....	9,027	5,777,280	277	177,280	9,304	5,954,560
New Jersey.....	7,321	4,816,480	715	453,600	8,036	5,270,080
New Mexico.....	121,412	77,703,680	254	162,560	121,666	77,866,240
New York.....	47,851	30,611,840	1,745	1,116,800	49,596	31,728,640
North Carolina.....	48,708	31,230,720	3,788	2,424,320	52,496	33,655,040
North Dakota.....	69,273	44,334,720	1,392	890,880	70,665	45,225,600
Ohio.....	40,375	26,224,000	247	158,080	40,622	26,382,080
Oklahoma.....	68,742	44,020,800	1,157	727,680	69,899	44,748,480
Oregon.....	96,184	61,557,760	97	61,000	96,281	62,067,840
Pennsylvania.....	44,966	28,778,240	367	234,880	45,333	29,013,120
Rhode Island.....	1,040	671,360	103	65,920	1,143	737,280
South Carolina.....	30,225	19,344,000	939	601,200	31,164	19,945,200
South Dakota.....	73,558	48,611,200	1,092	698,880	74,650	49,310,080
Tennessee.....	41,328	26,449,280	919	592,320	42,247	27,041,600
Texas.....	262,134	167,765,760	5,294	3,393,360	267,428	171,159,120
Utah.....	82,706	52,541,440	2,820	1,804,800	85,526	54,346,240
Vermont.....	9,267	5,930,880	342	218,880	9,609	6,149,760
Virginia.....	39,750	25,439,200	1,037	663,680	40,787	26,102,880
Washington.....	66,370	42,604,800	1,422	908,320	67,792	43,513,120
West Virginia.....	24,070	15,454,400	111	71,040	24,181	15,525,440
Wyconsin.....	34,464	22,336,000	1,690	1,081,600	36,154	23,417,600
Wyoming.....	97,813	62,970,560	711	453,440	98,524	63,424,000
Total.....	3,330,855	2,263,387,200	78,267	50,060,880	3,409,122	2,313,448,080



APPENDIX A-1

MAN-MADE LIMITATIONS
NEVADA ADJUDICATION PROCEEDINGS

SURFACE STREAMS

<u>STREAM NAME</u>	<u>COUNTY</u>	<u>TYPE OF DECREE</u>	<u>DECREE IN FILING DATE</u>
Alder Creek	Humboldt	State	3/1/71
Ash Canyon Creek	Ormsby	Civil	1885
Baker-Lehman Creek	White Pine	State	1952; 1950
Barber Creek	Douglas	State	1914; 1921
Bartlett Creek	Humboldt	State	1929; 1946
Bassett Creek	White Pine	State	1938; 1945
Battle Creek	Humboldt	State	1929; 1946
Big Canyon Creek	Washoe	State	3/19/69
Big Springs & Warm Springs	Washoe	State	1948
Birch Creek	Elko	Pending	1957
Bottle Creek	Humboldt	State	4/1/69
Bowers Overflow	Washoe	Pending	7/1/72
Browns Creek	Washoe	Pending	7/1/72
Bruneau River	Elko	Pending	12/30/60
Bryan Creek	Washoe	Pending	10/29/73
Buffalo Creek	Washoe	Civil	-
Bushee Creek	Pershing	Pending	-
Calloway Well	Nye	Pending	1957
Cane Spring	Humboldt	State	1945; 1946
Carrico Creek	Lander	State	1927; 1930
Carson River	Douglas, Ormsby Lyon, Churchill	Pending	1903
Cherry Creek	Nye	Pending	1957
Chiatovick Creek	Esmeralda	State	7/31/70
Clear Creek	Pershing	State	1919
Clear Creek	Ormsby and Douglas	Civil	1872
Cold Spring Creek	White Pine	State	1943; 1946
Colonel Moore Creek	Elko	Pending	1957
Craine Creek	Humboldt	State	3/1/71
Crum & Wilson Creeks	Lander	State	1925; 1928
Currant Creek	Nye	State	1919; 1923
Dagget Creek	Douglas	State	2/8/74
Davis Creek	Washoe	Pending	7/1/72
Deadman's Canyon Creek	Washoe	Pending	11/28/74
Duck Creek	White Pine	Civil	1886
Duckwater Creek	Nye	State	1909; 1930
Eden Creek	Humboldt	Pending	1915

APPENDIX A-1

<u>STREAM NAME</u>	<u>COUNTY</u>	<u>TYPE OF DECREE</u>	<u>DECREE IN FILING DATE</u>
Edgewood Creek	Douglas	State	1929; 1958
Egan Creek	White Pine	State	1950; 1956
Esplin Well No. 1	Nye	Pending	1956
Evans Creek	Humboldt & Elko	Pending	1916
Fish Hatchery Spring	Washoe	Pending	7/1/72
Franktown Creek	Washoe	State	1951; 7/11/
Genoa Creek	Douglas	Civil	1881
Glenbrook Creek	Douglas	State	1939; 1941
Golconda Creek	Pershing	Pending	9/3/71
Goose Creek	Elko	State	1923
Horse Canyon Creek	Pershing	State	2/16/70
Horse Springs	Washoe	Pending	2/5/73
Hot Creek	Nye	Pending	9/21/71
Humboldt River	Elko, Eureka, Lander, Hum- boldt, Pershing	State	1923; 1938
Hunts Creek	Nye	Pending	1/25/74
Illipah Creek	White Pine	Civil	1887
Indian or McNett Creek	Esmeralda	State	1964
Indian Springs Creek	Humboldt	Pending	1929
Jack's Valley Creek	Douglas	Civil	-
Jumbo Creek	Washoe	State	1946; 1947
Kalamazoo Creek	White Pine	Pending	1951
K-C Creek	Elko	Civil	1930
Kings Canyon Creek	Ormsby	Civil	1885
Kings River	Humboldt	State	1957; 1966
Kingston Creek	Lander	State	1954; 1964
Las Chance Creek	Nye	State	1951; 1957
Leidy Creek	Esmeralda	State	1945; 1946
Lewers Creek	Washoe	Pending	7/1/72
Leonard Creek	Humboldt	State	3/3/72
Little Humboldt River	Elko, Humboldt	State	1929; 1931
Little Rocky Canyon Creek	Pershing	State	2/16/70
Logan Creek	Douglas	State	1939; 1941
Long Springs	White Pine	Pending	1915
Longstreet Springs	Nye	Pending	1962
Luther Creek	Douglas	Civil	1874; 1927
Mahala Springs	Washoe	State	8/12/74
Manse Springs	Nye	State	1937; 1940
Mattier Creek	White Pine	Pending	no file
McAffie Creek	Esmeralda	State	7/9/73
McEwen Creek	Washoe	State	8/6/74
McFaul Creek	Douglas	State	1939; 1942
Meadow Valley Wash			
Clover Valley Creek	Nye	Pending	1919; 1920
Muddy River	Clark	State	1919; 1926
Muncy Creek	White Pine	Pending	1940

APPENDIX A-1

<u>STREAM NAME</u>	<u>COUNTY</u>	<u>TYPE OF DECREE</u>	<u>DECREE IN FILING DATE</u>
Musgrove Creek	Washoe	Pending	7/1/72
Newton Creek	Washoe	State	1948; 1961
Nigger Creek	White Pine	Civil	1949
North & South Springs	Nye	State	1937; 1957
North & South Twin Rivers	Nye	State	1951; 1957
North Canyon Creek	Douglas & Ormsby	Civil	1930
Odger Creek	White Pine	Pending	12/4/73
Ophir Creek	Washoe	Pending	7/1/72
Overland Creek	Elko	State	1919; 1925
Owyhee River	Elko	Pending	1/28/24
Pahranaagat Lake	Lincoln	State	1919; 1929
Pass Creek, Big Creek			
Boyd Creek	Humboldt	Civil	1935
Peavine Creek	Nye	Pending	1934
Perry Aiken Creek	Esmeralda	Civil	1916
Pete Hanson Creek	Eureka	Pending	9/18/73
Peterson Creek	Washoe	State	12/15/69
Piermont Creek	White Pine	Pending	12/4/73
Pinchot Creek	Esmeralda	State	5/2/69
Pine Creek	Nye	Pending	1957
Pinenut Creek	Douglas	State	2/8/74
Piute Creek	Humboldt	State	1929; 1946
Pole Canyon Creek	Pershing	State	2/16/70
Quinn River	Humboldt	Civil	1919
Rebel Creek	Humboldt	State	11/12/73
Rice Creek	Elko	State	1919; 1922
Rock Creek	Humboldt	Petition	3/25/59
Rodeo Creek	Washoe	State	1946; 1948
Sacramento Canyon Creek	Pershing	State	2/16/70
Salmon River	Elko	State	1915; 1923
Santa Rosa Creek	Humboldt	State	9/21/71
Schell Creek	White Pine	State	1934; 1938
Seigal Creek	White Pine	Pending	1918
Sierra Creek	Douglas	Civil	1885
Silver Creek	Lander	State	1927; 1936
Silver Creek	White Pine	Civil	1911
Simpson Creek	Eureka	Pending	1910
Six Mile Creek	Elko	State	1919; 1925
Six Springs	White Pine	Civil	1890
Smith Creek	Lander	Pending	1941
Soldier Creek	Humboldt	State	1951; 1957
Sonoma Creek	Pershing	State	3/16/71
Spring Canyon Creek	Humboldt	Pending	3/25/59
Star Canyon Creek	Pershing	Civil	1927
Steele Creek	Elko	Pending	no file
Steptoe Creek	White Pine	State	1921; 1935

APPENDIX A-1

<u>STREAM NAME</u>	<u>COUNTY</u>	<u>TYPE OF DECREE</u>	<u>DECREE IN FILING DATE</u>
Swallow Creek	White Pine	Pending	1953
Third Creek	Washoe	Civil	1892
Thousand Springs Creek	Elko	State	1925; 1929
Tony Creek	Humboldt	State	1929
Trial Canyon Creek	Esmeralda	State	5/2/69
Truckee River	Washoe, Lyon, Churchill	Federal	1926
Tuledad Creek	Washoe	State	11/9/72
Unionville Creek	Pershing	State	4/29/71
Virgin River	Clark	State	1921; 1927
Walker River	Douglas & Lyon	Federal	1924; 1936
Weaver Creek	White Pine	Civil	1894
White River	White Pine	State	1922; 1922
White's Stream	Humboldt	State	12/12/69
Willow Creek	Humboldt	State	1956; 1966
Winters Creek	Washoe	Pending	7/1/72
Wood Canyon	Humboldt	Pending	3/25/59
Wright Canyon Creek	Pershing	State	2/16/70

Source: State Engineer's Office, Status of Stream Adjudication Proceedings in Nevada, Division of Water Resources, 1974.

APPENDIX A-2
FIGURE A-1
REVISION OF APPLICATION PROCEDURES FOR
PUBLIC LANDS, NEVADA

Office of the Secretary
NEVADA

Whereas, the State of Nevada is faced with immediate problems in allocating water resources to support expanding population, industry, and agricultural activity, and

Whereas, the economic future of that State in large measure depends upon the careful husbandry of its water resources, and

Whereas, the underground waters of the State, an integral part of the total water resource, pose special problems of water management, and

Whereas, the proper long-range development of all water resource of the Lower Colorado River Basin is presently being studied by Federal and State agencies, and

Whereas, the development of the public lands pursuant to the agricultural entry laws of the United States (Revised Statutes sec. 2289 et seq., 43 U.S.C., Ch. 7; Act of March 3, 1877 (19 Stat. 37 as amended (43 U.S.C., Ch. 9); Act of October 22, 1919 (41 Stat. 293), as amended (43 U.S.C., Ch. 10), must be coordinated with State programs for utilization of the total water resource, and

Whereas, the experience of a decade reveals that less than 2 per-

APPENDIX A-2
FIGURE A-1.
(Continued)

of applications under the above cited laws result in sustained agricultural use of the lands, and

Whereas, the duly authorized officials of the State of Nevada have determined that no further permits should be issued for appropriation of underground water in the principal agricultural valleys of the State until all factors pertinent to the availability of underground water resources have been ascertained, and

Whereas, the State of Nevada and the U.S. Department of the Interior are cooperating in a study of the water and soil resources which may be made available for agricultural development under Federal and State programs, and

Whereas, the filing, investigation, and adjudication of agricultural entry petition-applications on unclassified lands can result in only such a small percentage of success as to constitute unprofitable expenditure of Federal, State and private funds.

Now therefore, pursuant to the authority granted to the Secretary of the Interior by sections 453 and 2478 of the Revised Statutes as amended (43 U.S.C. 2, and 1201), it is hereby directed that:

1. All petitions for classification and applications for entry under the Homestead, Desert Land, and Pittman Laws (43 U.S.C., Chapters 7, 9, and 10), for public lands in Nevada, submitted

APPENDIX A-2
FIGURE A-1
(Continued)

after the date this order is published in the FEDERAL REGISTER, will not be accepted, will not be considered as filed, and will be returned to the petitioner-applicant together with all documents and remittances submitted therewith, unless the lands described in such petition-application had first been classified by the authorized officer and opened to such petition-application.

2. All petitions and applications of the types referred to in subparagraph (1) above which were valid and subsisting as of the date this order is published in the FEDERAL REGISTER will, as promptly as possible, be considered on their merits by the authorized officer of the Bureau of Land Management. However, no such petition or application will be approved which is dependent upon irrigation water pumped from underground sources where there is some doubt as to the availability of sufficient water under Federal and State criteria.

Stewart L. Udall
Secretary of the Interior

June 2, 1964
(F.R. Doc. 64-5581; Filed, June 3, 1964; 8:50 a.m.)

Source: Federal Register, Vol.29, June 4, 1964, page 7294.

APPENDIX A-3
(Continued)

<u>AREA DESIGNATION</u>	<u>AREA NAME</u>	<u>AREA POPULATION</u>
228	Oasis Valley	773
229	Crater Flat	2
230	Amargosa Desert	476
231	Grapevine Canyon	1*
232	Oriental Wash	1*

Source: Hill, Victor R., State of Nevada, Division of Water Resources, Hydrographic Area Summaries, Unpublished Data, 1976.

*Indicates Value Of '0' Or
Approximately '0'.

APPENDIX A-4
HYDROGRAPHIC AREA CHARACTERISTICS

AREA DESIGNATION	ANNUAL WATER YIELD (ACRE-FEET)	GROWING SEASON (DAYS)	AREA (ACRES)	IRRIGABLE SOIL PROFILE (ACRES)
1	2000	85	88320	18000
2	11000	85	136960	1500
3	3000	78	124800	1*
4	6000	78	316160	1*
5	250	70	14080	1*
6	2000	70	94080	1500
7	1*	70	144640	1*
8	3000	70	112640	3000
9	12000	78	277120	34000
10	250	70	17280	2000
11	1000	85	32640	2000
12	1500	78	20480	1*
13	1000	70	52480	1*
14	2500	78	136960	4000
15	2000	70	56320	7600
16	8000	78	341120	32000
17	200	85	7680	1*
18	1200	85	19840	1*
19	100	115	24960	1*
20	25	115	7680	1*
21	16000	115	627200	500
22	2500	115	195200	10000
23	200	115	5760	1*
24	6700	115	201600	20000
25	5000	78	425600	5000
26	13000	90	316800	1*
27	1000	70	38400	1*
28	30000	100	1394560	31000
29	11000	100	337920	27000
30A	8500A	100	192000	62500
30B	8500A	100	72320	11000
31	9000	100	673280	47500
32	5900	100	200320	46000
33A	30000A	90	404480	107000
33B	30000A	78	378880	83000
34	6000S	78	458240	8000
35	160000S	78	838400	42000
36	12000	78	220800	47000
37	120000S	78	341120	27500
38	110000S	70	328960	4500
39	93000S	70	177920	300
40	130000S	78	779520	28000
41	35000S	70	202240	500
42	85000A	78	686720	127000
43	85000A	85	212480	48500
44	85000A	78	710400	70500
45	85000A	85	164480	65000
46	46700A	85	63360	2500
47	46700A	85	503680	50000
48	46700A	85	250880	20500
49	140000A	85	200960	46000
50	16500A	78	142720	4500
51	16500A	85	253440	7000
52	140000A	85	39040	1000
53	30000S	85	641280	25000
54	12500A	100	481280	87000
55	12500A	100	240640	40500
56	60000S	85	728320	114500
57	9000	100	289280	72000
58	14000	115	204160	35000
59	14000A	115	376320	142000

APPENDIX A-4

(Continued)

AREA DESIGNATION	ANNUAL WATER YIELD (ACRE-FEET)	GROWING SEASON (DAYS)	AREA (ACRES)	IRRIGABLE SOIL PROFILE (ACRES)
60	14000A	115	60160	3000
61	300000S	100	348160	120000
62	15000A	85	284160	31000
63	15000A	78	259200	19000
64	93300A	100	460800	225000
65	93300A	100	191360	20500
66	93300A	100	192640	77500
67	20000A	78	624000	33000
68	20000A	78	106880	1*
69	20000A	100	384000	166500
70	200000S	100	278400	82000
71	20000S	115	332800	62500
72	160000S	100	493440	154000
73	140000A	140	406400	92000
73A	140000A	115	62720	19000
74	6000S	140	104960	6500
75	2500	140	113920	10000
76	235000S	140	76800	11500
77	100	115	37120	10000
78	4500	100	618880	182000
79	500	100	213120	42000
80	3300	115	237440	3000
81	10000	115	430080	10000
82	255000S	115	58880	2500
83	490000S	115	182400	2000
84	3000	115	158080	20000
85	15000S	115	48640	12000
86	25	115	6400	500
87	580000S	115	129920	32000
88	11000S	115	24960	1000
89	25000S	115	52480	7000
90	5000A	85	88960	1*
91	520000S	115	53760	1*
92A	750A	115	33920	8000
92B	750A	115	25600	5000
93	150	115	11520	3500
94	300	115	33920	11500
95	1000	115	51200	1000
96	200	115	5760	1*
97	8000	100	123520	1*
98	1*	85	27520	1*
99	1000	115	37120	8000
100	500	115	19200	3000
101	390000S	140	1283480	108000
101A	1*	140	113000	1*
102	440000S	165	307200	15000
103	285000S	140	236160	14500
104	10000S	115	44160	9000
105	355000S	115	268160	45500
106	190000S	115	73600	6500
107	200000A	100	306560	51500
108	100000S	115	330240	71500
109	120000S	85	375040	7000
110A	110000S	140	321280	86000
110B	200000A	165	196480	3500
110C	5000	140	346240	35500
111A	300	85	11520	1*
111B	700	85	41600	1*
112	300	85	17280	1*
113	150	115	62080	1000
114	1400	140	206720	1*
115	150	115	9600	1*

APPENDIX A-h
(Continued)

AREA DESIGNATION	ANNUAL WATER YIELD (ACRE-FEET)	GROWING SEASON (DAYS)	AREA (ACRES)	IRRIGABLE SOIL PROFILE (ACRES)
116	600	115	41600	4500
117	30000	115	451840	60000
118	4000	140	236800	2500
119	1000	165	127360	12000
120	150	115	58880	1000
121A	600	165	157440	15500
121B	200	165	83200	8000
122	5000	140	817280	75000
123	500	140	145280	27000
124	250	140	182400	82500
125	100	115	27520	11400
126	800	115	70400	14500
127	4000	115	138240	12000
128	15000	140	833920	243000
129	10000	115	474880	104000
130	2600	115	182400	9000
131	8000	100	322560	49500
132	250	140	90880	8900
133	8000	115	266240	49500
134	10000	85	372480	119000
135	2500	100	294400	17000
136	400	115	181760	11500
137A	6000	140	1025920	152500
137B	65000	100	846720	156000
138	13000	85	380800	64000
139	16000	85	555520	119000
140A	8000	85	338560	37000
140B	10000	85	325760	49500
141	6000	140	621440	103000
142	3000	165	200320	54000
143	20000	165	355200	8000
144	350	165	342400	61500
145	100	165	243840	26500
146	3000	165	519680	11000
147	1900	165	437760	59500
148	300	165	257920	59000
149	2000	140	630400	192000
150	10000	85	277760	2500
151	4000	85	284160	58500
152	100	70	10880	1*
153	30000	85	481280	125000
154	18000	85	512640	84000
155A	5000	85	378240	74500
155B	100	85	36480	2000
155C	1000	100	326400	130500
156	5500	140	663040	119000
157	2200	140	224000	55000
158A	2800	165	424320	58500
158B	10	165	66560	6000
159	350	165	195200	26000
160	16000	165	296320	17000
161	500	165	419200	10500
162	12000	183	504960	30000
163	2200	200	151040	8000
164A	700	200	161920	6500
164B	250	200	46720	1*
165	50	200	61440	11000
166	10	200	21760	5500
167	500	200	339200	21000
168	4000	165	190720	9000
169A	1300	165	395720	24000
169B	3000	165	243000	45000

APPENDIX A-4

(Continued)

<u>AREA DESIGNATION</u>	<u>ANNUAL WATER YIELD (ACRE-FEET)</u>	<u>GROWING SEASON (DAYS)</u>	<u>AREA (ACRES)</u>	<u>IRRIGABLE SOIL PROFILE (ACRES)</u>
170	4000	165	448000	72500
171	6000	140	294400	65000
172	6000	140	315520	26000
173A	2800	140	385920	134900
173B	75000	140	1375360	174700
174	12000	85	270080	29500
175	6000	85	416640	70000
176	53000	85	642560	58500
177	20000	85	296960	98000
178A	6000	85	173440	15500
178B	14000	85	472960	100000
179	120000S	85	1242880	115000
180	2000	100	231680	14000
181	2500	140	564480	59000
182	3000	165	245120	33000
183	12000	115	356480	33000
184	100000	100	1063040	115000
185	3500	85	220800	64000
186A	800	85	80000	17000
186B	1700	85	172800	46000
187	11000	78	610560	152000
188	9000	78	359680	91000
189A	5800S	78	104320	12000
189B	6400S	78	395520	11500
189C	2000S	78	117120	3000
189D	16000S	100	308480	42000
190	350	85	35200	1*
191	4500	100	208640	47500
192	5000	100	324480	1*
193	2000	85	133120	500
194	1500	85	48000	1000
195	25000	100	497280	24000
196	5000	115	264320	16000
197	1000	140	67840	1*
198	1000	140	72320	2500
199	100	115	7680	500
200	300	100	33280	1000
201	5000S	85	183680	9000
202	4500	140	267520	8500
203	9000	140	213760	14500
204	1000	140	232960	1*
205	5000	183	626560	3000
206	1*	165	149760	1*
207	37000	100	1028480	222500
208	21000	140	325120	6000
209	25000	165	491520	34000
210	18000	183	420480	1*
211	5000	183	199040	5500
212	25000	183	1000960	13000
213	200	200	360320	6000
214	600	200	216320	63500
215	7000S	200	403200	1*
216	400	200	99840	1500
217	200	200	51200	500
218	36000S	200	203520	500
219	37000	200	58240	1900
220	35000S	200	161280	8500
221	1000	165	122880	1*
222	100000S	183	580480	2000
223	500	200	341120	1*
224	300	200	69120	1*
225	8000	165	70400	1*

APPENDIX A-4

(Continued)

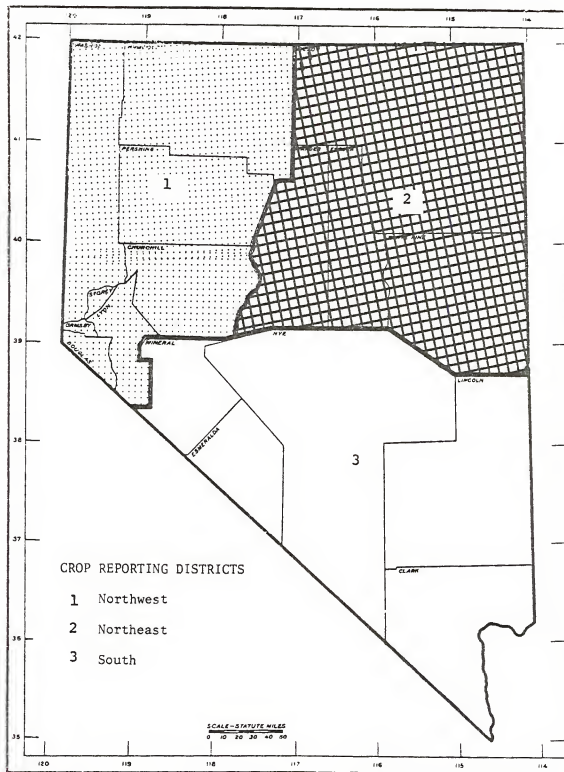
<u>AREA DESIGNATION</u>	<u>ANNUAL WATER YIELD (ACRE-FeET)</u>	<u>GROWING SEASON (DAYS)</u>	<u>AREA (ACRES)</u>	<u>IRRIGABI SOIL PROF (ACRES)</u>
226	8000	183	52480	1500
227A	4000	183	178560	32000
227B	3600	165	153600	1*
228	2000	165	294400	1*
229	900	183	116480	1*
230	34000	183	573440	166500
231	400	165	103680	1*
232	150	165	116480	1*

*Indicates Value Of '0' Or Approximately '0'.

Source: Hill, Victor R., State of Nevada, Division of Water Resources, Hydrographic Area Summaries, Unpublished Data, 1976.

APPENDIX A-5

NEVADA COUNTIES AND CROP REPORTING DISTRICTS



APPENDIX A-6

ACREAGE EQUATION FOR PRODUCTION FUNCTION

- (1) Assumption: function is equal to

$$Y = \frac{1}{a + bx}$$

Where Y = Acres

x = Net Income

- (2) Regression Analysis

a) Allowing $Y^1 = \frac{1}{Y}$ one obtains $Y^1 = a + bx$

b) Equations become

$$\sum (Y^1) = Na + b \sum (x)$$

$$\sum (XY^1) = a \sum (x) + B \sum (x^2)$$

c) Solution

$$\left. \begin{array}{l} a = 2.5 * 10^{-5} \\ b = 2.2 * 10^{-5} \end{array} \right\} \text{Fixed Cost Profile 1}$$

$$\left. \begin{array}{l} a = 4.74 * 10^{-5} \\ b = 2.4 * 10^{-5} \end{array} \right\} \text{Mean Cost Profile}$$

APPENDIX A-7
SAMPLING OF PROPOSED WATER PROJECTS

HUMBOLDT RIVER BASIN

<u>RESERVOIR</u>	<u>TOTAL STORAGE (AF)</u>	<u>IRR. STORAGE (AF)</u>	<u>\$/AF INITIAL COST</u>	<u>\$/AF ANNUAL COST</u>
Antelope Creek	10,200	3,000	149.97	10.0
Burnt Creek	100	100	300.00	22.0
Devils Gate	80,000	40,000	59.13	4.0
Huntington Creek	16,600	6,000	80.08	6.0
Hylton	120,000	80,000	43.02	3.0
Maggie Creek	4,000	2,500	204.60	15.0
Mary's River	8,000	5,000	117.55	9.0
Quillici Ranch	50	50	300.00	22.0
Susie Creek #1	6,500	2,000	167.44	12.0
Susie Creek #2	300	300	300.00	22.0
Tabor Creek	100	100	300.00	22.0
Upper Rock Creek	7,100	2,500	204.60	15.0
Vista	50,000	25,000	99.60	7.0
Wildcat	50	50	300.00	22.0
Lower Maggie Creek	5,000	3,000	149.97	10.0
Henderson Creek	300	300	300.00	22.0
Tonkin (Enl.)	330	260	167.88	12.0
Craine Creek	1,000	600	300.00	22.0
Chimney	35,000	35,000	16.24	1.0
Ft. McDermitt	9,500	2,000	191.58	13.0
Hardscrabble	2,000	1,000	290.91	22.0
McDermitt Creek	12,900	3,000	149.97	10.0
Pole Creek	500	400	300.00	22.0
Big Creek	160	150	200.00	15.0
Boone Creek	4,000	3,000	149.97	10.0
Cottonwood Creek	76	76	300.00	22.0
Indian Creek	100	100	300.00	22.0
Italian Creek	200	190	300.00	22.0
Mill Creek	75	75	200.00	15.0
Rock Creek	80,000	25,000	99.60	7.0
Silver Creek	330	300	300.00	22.0
Reese Indian Creek	3,000	2,000	196.85	15.0
Upper Reese	1,400	900	300.00	22.0
Clear Creek	2,400	1,000	290.90	22.0
Sonoma	3,300	1,800	203.81	14.0
Badger Creek	1,500	800	300.00	22.0
Bittner	2,000	400	300.00	22.0
Coleman V.	500	500	300.00	22.0
Little Bally	500	450	300.00	22.0
Little Holy Lk.	1,000	600	200.00	15.0
Tuledad	7,315	3,400	136.76	10.0
Buffalo Slough	12,500	4,000	87.52	6.0

APPENDIX A-7
(Continued)

RESERVOIR	TOTAL STORAGE (AF)	IRR. STORAGE (AF)	\$/AF INITIAL COST	\$/AF ANNUAL COST
Dolly Varden	1,000	857	300.00	22.0
High Rock Canyon	20,800	3,000	149.97	10.9
Nigger Creek	400	150	200.00	15.5
Smoke Creek #1	5,790	500	133.68	10.3
Poodle Mountain	210	210	200.00	15.5
TOTAL	518,086	261,618	79.74	6.0
CENTRAL REGION				
Hare Canyon	50	50	300.00	22.0
Thousand Springs	200	200	300.00	22.0
Johnson Ranch	30	30	300.00	22.0
Leidy Creek	10	10	200.00	15.5
Roberts Creek	320	100	300.00	22.0
Three Bar	150	150	300.00	22.0
Callaghan Ranch	50	50	300.00	22.0
Skull Creek	195	180	300.00	22.0
Willow Creek	200	180	300.00	22.0
Barley Creek	100	100	300.00	22.0
Martin Ranch	50	50	300.00	22.0
Cloverdale Ranch	5,900	1,000	200.00	15.5
Duckwater #1	2,000	1,800	203.81	14.8
Idlewild	38	38	200.00	15.5
Mosquito	75	75	200.00	15.5
Peavine	200	125	200.00	15.5
So. Twin River	200	140	300.00	22.0
Stoneberger	217	120	200.00	15.5
Buena Vista	2,400	800	265.20	20.2
Star	1,900	700	301.00	22.2
Egan Creek	1,000	560	300.00	22.0
Indian Creek	400	400	300.00	22.0
Old Yelland Ranch	100	100	300.00	22.0
Robinson Creek	4,600	1,000	200.00	15.5
Schellbourne Creek	200	200	200.00	15.5
Steptoe Creek	1,400	1,000	290.91	22.2
Pleasant Valley	50	50	300.00	22.0
Weaver Creek	40	280	300.00	22.0
Illipah (Enl.)	700	700	200.00	15.5
TOTAL	22,775	10,188	247.37	18.5

APPENDIX A-7
(Continued)

<u>RESERVOIR</u>	<u>TOTAL STORAGE (AF)</u>	<u>IRR. STORAGE (AF)</u>	<u>\$/AF INITIAL COST</u>	<u>A.</u>
COLORADO RIVER BASIN				
Demue	16,000	3,000	149.97	
Camp Valley	250	200	200.00	
White River	450	400	300.00	
TOTAL	16,700	3,600	169.42	
SNAKE RIVER BASIN				
Bruneau River	2,500	1,230	218.20	
Jack Creek	480	100	300.00	
Goose Creek	300	150	300.00	
Camp. Creek	280	180	300.00	
Cottonwood Creek	240	150	300.00	
Willow Creek	600	250	300.00	
TOTAL	4,400	2,560	244.72	

WATER PROFILE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
HYDRO AREA	P _y (A-F)	P _y +30% (A-F)	USE (AF) *	WATER DUTY (A-F/A)	TOTAL IRRIG. (ACRES) AVAIL.	REF.	IRRIG. FACTOR
1	2,000	2,600	13,350	3.1	0	546,581	0
2	11,000	14,300	3,600	3.1	3,452	546	2
3	3,000	3,900	4,500 (P)	3.1	0	546	0
4	6,000	7,800	7,400FW	3.1	129	581	0
5	250	325	0 (?)	3.1	104	643	0
6	2,000	2,600	600 (P)	3.1	645	539	1
7	1,000	1,300	1,400 (P)	3.1	0	643	0
8	3,000	3,900	250 (MAX)	3.1	1,177	581	1
9	11,000	14,300	1,800	3.1	4,032	539,581	2
10	250	325	0 (MAX)	3.1	101	643	0
11	1,000	1,300	720	3.1	187	539	0
12	1,750	2,275	900 (P)	3.1	444	539,581	1
13	1,000	1,300	0 (?)	3.1	419	581	1
14	2,500	3,250	900 (P)	3.1	758	539,581	1
15	2,000	2,600	2,200	3.1	129	539,581	0
16	8,000	10,400	1,640	3.1	2,826	581	2
17	200	260	10 (MAX)	3.1	81	565	0
18	1,200	1,560	10 (MAX)	3.1	500	565	1
19	100	130	10	3.1	39	565	0
20	25	32.5	10 (MAX)	3.1	7	565	0
21	16,000	20,800	2,100 (W+P)	3.1	6,032	565	2
22	2,500	3,250	6,500	3.1	0	565	0
23	1,000	1,300	10 (?)	3.1	416	545,643	1
24	7,400	9,620	DB	3.1	0	508,581	0
25	5,000	6,500	0 (?)	3.1	2,097	581	2
26	13,000	16,900	150 (MAX)	3.1	5,403	581	2
27	2,000	2,600	10 (MAX)	3.1	835	545,581,643	1
28	20,000	26,000	14,000	3.1	3,871	581,545,643	2
29	10,500	13,650	DB	3.1	0	545,581	0
30	12,000	15,600	DB	3.1	0	581	0
30A	-	-	DB	3.1	0	0	0
31	7,500	9,750	DB	3.1	0	531,581	0
32	6,000	7,800	DB	3.1	0	581	0

A-8

WATER PROFILE

REFERENCED IN STUDY

A-23

WATER PROFILE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
HYDRO AREA	P _y (A-F)	P _y +30% (A-F)	USE (AF) *	WATER DUTY (A-F/A)	TOTAL IRRIG. (ACRES) AVAIL.	REF.	IRRIG. FACTOR
33B	24,000	31,200	DB	3.1	0	505,581	0
34	1,000	1,300	150 (P)	2.5	460	581	1
35	8,000	10,400	800 (P)	2.5	3,840	581	2
36	11,000	14,300	2,400	2.5	4,760	532,581	2
37	7,000	9,100	33,000 (P)	2.5	0	581	0
38	10,000	13,000	8,400	2.5	1,840	581	2
39	12,000	15,600	1,100 (?)	2.5	5,800	581	2
40	10,000	13,000	S+13,000 (P)	2.5	0	581	0
41	2,000	2,600	4,600 (S)	2.5	0	581	1
42	85,000S	85,000S	44,000 (P)	3.2	?	643	1
43	85,000S	85,000S	48,000 (P?)	3.2	?	643	1
44	85,000S	85,000S	800 (P?)	3.2	?	643	1
45	85,000S	85,000S	2,000 (MAX)	3.2	?	643	1
46	46,700S	46,700S	43,500 (P)	3.2	?	643	1
47	46,700S	38,000 (G)	300	3.2	?	501,643	1
48	46,700S	46,700S	3,860 (P)	4.0	?	643	1
49	13,000S	13,000S	17,000 (P)	3.2	?	581	1
50	16,500S	16,500S	600 (P)	3.2	?	643	1
51	16,500S	16,500S	9,500 (P)	3.2	?	643	1
52	140,000S	140,000S	10 (?)	3.2	?	643	1
53	20,000	26,000	22,000 (P)	3.2	1,250	581	1
54	16,000	20,800	2,000	3.2	5,875	581	2
55	4,000	5,200	1,200	3.2	1,250	581	1
56	37,000	48,100	8,800	3.2	12,281	520,581	2
57	9,000	11,700	DB	3.2	0	581	0
58	14,000	18,200	DB	3.2	0	581	0
59	20,000S	20,000S	2,500 (P)	3.2	?	581	1
60	14,000S	14,000S	4,500 (P)	3.2	?	643	0
61	30,000	39,000	34,000	3.2	1,563	581	2
62	3,000	3,900	1,200 (P)	3.2	844	581	1
63	15,000S	19,500	9,400 (P)	3.2	3,156	643	2

WATER PROFILE

(1)	(10)	(3)	(4)	(5)	(6)	(7)	(8)
HYDRO AREA	P _y (A-F)	P _y +30% (A-f)	USE (AF) *	WATER DUTY (A-F/A)	TOTAL IRRIG. (ACRES) AVAIL.	REF.	IRRIG. FACTOR
67	8,000	10,400	2,000 (P)	3.6	2,333	581	2
68	100	130	50	3.6	22	581	0
69	15,000	43,410**	DB	3.6	0	504,588	0
70	17,000	22,100	DB	3.2	0	520,581	0
71	13,000	16,900	DB	3.2	0	553,588	0
72	3,000	3,900	200	3.2	1,156	529,581	1
73	1,160	1,508	DB	3.2	0	555,588	0
73A	2,000	2,600	4,800 (P)	3.2	0	511,555	0
74	6,000S	6,000S	(?)	3.2	?	643	1
75	2,500	3,250	10	3.3	982	511,581	1
76	1,000	1,300	7,810	3.3	0	581	0
77	100	130	5 (?)	3.3	38	511	0
78	4,700	6,110	50	3.3	1,836	511,581	2
79	750	975	10 (MAX)	3.3	292	511,581	0
80	3,000	3,900	1,600	3.1	742	581	1
81	9,000	11,700	420-900 (P)	3.1	3,484	513,581	2
82	255,000S	255,000S	50-2,500 (P)	3.1	?	643	1
83	490,000S	490,000S	4,540-MAX (P)	3.1	?	643	0
84	4,500	5,850	9,310	3.1	0	564,643	0
85	600	780	DB	3.1	0	513,564	0
86	50	65	15	3.1	16	513	0
87	27,000	35,000	9,300	3.1	8,290	513,581	2
88	10,000	13,000	1,200	3.1	3,806	513	2
89	20,000	26,000	15,500	3.1	3,387	513,563	2
90	5,000	6,500	(?)	3.1	2,097	643	2
91	520,000S	520,000S	34-MAX (P)	3.1	?	643	0
92A	800	1,040	DB	3.1	0	519,564,643	0
92B	400	520	DB	3.1	0	519,564	0
93	300	390	40 (?)	3.1	113	564	0
94	800	1,040	10	3.1	332	564,643	1
95	1,200	1,560	45-5,000 (P)	3.1	0	564,581,643	0
96	150	195	51 (MAX)	3.1	61	564	0
97	8,000	10,400	1.200-2.100 (P)	3.1	2.677	643	?

WATER PROFILE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
HYDRO AREA	P _y (A-F)	P _y +30% (A-F)	USE (AF) *	WATER DUTY (A-F/A)	TOTAL IRRIG. (ACRES) AVAIL.	DEF.	IRRIG. FACTOR
99	1,000	1,300	1,400 (P)	3.1	0	581	0
100	800	1,040	6,800 (?)	3.1	0	564,581,643	0
101A	390,000S	390,000S	6,783	3.6	?	643	0
102	440,000S	440,000 (S)	6,200	3.6	?	643	1
103	285,000S	370,500	DB	3.6	0	643	0
104	7,000	9,100	DB	3.6	0	562	0
105	20,000	26,000	51,000	3.6	0	643	0
106	3,000	3,900	2,700	3.3	364	581	1
107	200,000S	200,000S	DB	3.3	0	595	0
108	25,000	32,500	18,600	3.5	3,971	522	2
109	6,000	7,800	7,800P/FS	3.3	0	581	0
110A	15,000	19,500	6,000 (P)	3.3	4,091	524	2
110B	850	1,105	6,200	3.3	0	524,581	0
110C	5,000	6,500	500 (P)	3.3	1,818	524,581	2
111A	700	910	10	3.1	290	510	0
111B	500	650	10	3.1	206	510,643	0
112	400	520	5 (MAX)	3.1	166	510,643	0
113	1,000	1,300	2 (MAX)	3.1	419	510,581,643	1
114	1,000	1,300	375	3.1	298	510,643	0
115	150	195	5 (MAX)	3.1	61	643	0
116	800	1,040	0	3.1	335	510,581	1
117	30,000	39,000	11,000-30,000 (P)	3.1	2,903	503	2
118	4,000	5,200	14,600	3.1	0	581	0
119	1,000	1,300	50	3.1	403	581	1
120	150	195	0	3.1	63	510	0
121A	800	1,040	2,500-3,100	3.1	0	510,581	0
121B	200	260	630-3,100	3.1	0	510	0
122	5,000	6,500	21,700	3.1	0	581	0
123	500	650	10 (MAX)	3.1	206	524	0
124	350	455	20 (?)	3.1	140	547,643	0
125	100	130	10 (MAX)	3.1	39	575	0
126	1,000	1,300	505	3.1	256	581	0

APPENDIX A-6

WATER PROFILE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
HYDRO AREA	P _y (A-F)	P _y +30% (A-F)	USE (AF)*	WATER DUTY (A-F/A)	TOTAL IRRIG. (ACRES) AVAIL.	REF.	IRRIG. FACTOR
129	10,000	13,000	21,000	3.1	0	581	0
130	3,000	3,900	300 (P)	3.1	1,161	581	1
131	8,000	10,400	1,800	3.1	2,774	581	2
132	250	325	90 (P)	3.1	76	575	0
133	8,000	10,400	6,700	3.1	1,194	581	1
134	10,000	13,000	4,250	3.1	2,823	552, 581	2
135	3,000	3,900	900	3.1	968	552	1
136	400	520	5 (MAX)	3.1	166	510	0
137A	6,500	8,450	2,500	3.1	1,919	507, 650	2
137B	60,000	78,000	83,000	3.1	0	507, 643, 650	0
138	13,000	16,900	4,500	3.2	3,875	581	2
139	16,000	20,800	3,600 (P)	3.1	5,548	554	2
140A	8,000	10,400	300 (MAX)	3.1	3,258	554	2
140B	11,500	14,950	450	3.1	4,677	554, 643	2
141	4,500	5,850	1,980	3.1	1,248	536, 643	1
142	3,000	3,900	17,600	3.1	0	566	0
143	22,000	28,600	7,600	3.1	6,774	566	2
144	350	455	4,760	3.1	0	566	0
145	100	130	10 (MAX) ; AF	3.1	39	566	0
146	3,200	4,160	4,800	3.1	0	534, 581	0
147	2,000	2,600	5 (?)	3.1	837	581	1
148	350	455	5	3.1	145	573, 643	0
149	2,500	2,600	2,100 (AF)	3.1	161	536	0
150	10,000	13,000	700 (P)	3.1	3,968	581	2
151	4,000	5,200	310	3.1	1,577	554	2
152	200	260	10 (MAX)	3.1	81	554	0
153	30,000	39,000	DB	3.0	0	506	0
154	18,000	23,400	17,200	3.1	2,000	588	2
155A	5,000	6,500	2,500 (P)	3.1	1,290	561	2
155B	100	130	400 (P)	3.1	0	643	0
155C	1,000	1,300	1,300 (P)	3.1	0	581	0
156	5,500	7,150	1,200	3.1	1,919	561	2
157	2,000	2,600	10	3.1	835	581	1

WATER PROFILE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
HYDRO AREA	P_y (A-F)	$P_y+30\%$ (A-F)	USE (AF) *	WATER DUTY (A-F/A)	TOTAL IRRIG. (ACRES) AVAIL.	REF.	IRRIG. FACTOR
158B	10	13	5 (?)	3.1	3	643	0
159	350	455	5 (MAX) ; AF	3.1	145	643	0
160	16,000	20,800	5 (?)	3.1	6,708	643	2
161	800	1,040	490	3.1	177	581,643	0
162	12,000	15,600	DB	3.1	0	581	0
163	2,100	2,730	1,700 (MAX)	3.1	332	567,581	1
164A	500	650	800	3.1	0	567,581,643	0
164B	300	390	50-380 (P)	3.1	3	567,581	0
165	50	65	10 (MAX)	3.1	18	567	0
166	100	130	10 (MAX)	3.1	39	570,643	0
167	600	780	6	3.1	250	559,581,643	0
168	3,000	3,900	5 (MAX) ; AF	3.1	1,256	573,581	0
169A	1,000	1,300	5 (MAX) ; AF	3.1	418	581	0
169B	3,000	3,900	5 (MAX) ; AF	3.1	1,256	581	0
170	4,500	5,850	36,000	3.0	0	588,581	0
171	6,000	7,800	5	3.1	2,515	542	2
172	6,000	7,800	800	3.1	2,258	581	2
173A	2,800	3,640	5-800 (P)	3.5	811	509,574	1
173B	70,000	91,000	28,000 (P)	3.0	21,000	574,581, 509,643	2
174	12,000	15,600	10	3.1	5,029	581	2
175	5,000	6,500	250 (MAX)	3.1	2,016	527,581,643	2
176	53,000	68,900	2,800-4,200 (P)	3.1	20,871	581	2
177	20,000	26,000	6,000	3.1	6,452	581	2
178A	6,000	7,800	2,400	3.1	1,741	569	2
178B	14,000	18,200	1,200	3.1	5,484	569	2
179	70,000	91,000**	88,500	3.5	714	512	1
180	1,500	1,950	1,600	3.1	113	537,581	0
181	3,000	3,900	100	3.1	1,226	540,581	1
182	3,000	3,900	100	3.1	1,226	581,540	1
183	12,000	15,600	20,800	3.1	0	548	0
184	85,000	110,500	25,500	3.1	27,419	556,581,643	2
185	4,000	5,200	10-120 (P)	3.1	1,639	581	2

WATER PROFILE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
HYDRO AREA	P _y (A-F)	P _y +30% (A-F)	USE (AF) *	WATER DUTY (A-F/A)	TOTAL IRRIG. (ACRES) AVAIL.	REF.	IRRIG. FACTOR
186B	2,000	2,600	300	3.1	742	581	1
187	11,000	14,300	1,310	3.1	4,190	581	2
188	9,000	11,700	2,200	3.1	3,065	581	2
189A	5,900	7,670	100 (P)	2.4	3,154	568,581	2
189B	6,200	8,060	3,000 (P)	2.4	2,108	568,581	2
189C	2,000	2,600	1,000 (P)	2.4	667	568	1
189D	16,000	20,800	7,000 (P)	2.4	5,750	568	2
190	350	455	10 (MAX)	2.4	185	643	0
191	5,000	6,500	5 (MAX)	2.4	2,706	581	2
192	5,000	6,500	5	2.4	2,706	581	2
193	2,000	2,600	0-2,400 (P)	2.4	917	581	1
194	2,000	2,600	280	2.4	967	581	1
195	30,000	39,000	8,100	2.4	12,875	557,581,643	2
196	5,000	6,500	80 (MAX)	2.4	2,675	581	2
197	1,000	1,300	10 (?)	5.0	258	571	0
198	1,000	1,300	3,500	5.0	0	551,581	0
199	100	130	4,500 (P)	5.0	0	551,643	0
200	300	390	2,500	5.0	0	551,643	0
201	1,000	1,300	800-1,500 (P)	5.0	0	551	0
202	5,000	6,500	5 (MAX)	5.0	1,299	581	2
203	9,000	11,700	36,500	5.0	0	551,581	0
204	1,000	1,300	1,200	5.0	20	551,581	0
205	25,000	32,500	14,000-44,000 (P)	5.0	0	551,650	0
206	2,600S	2,600S	10 (?)	5.0	?	643	1
207	37,000	48,100	24,000-31,000	5.0	3,420	581	2
208	21,000	27,300	60 (MAX)	5.0	5,448		2
209	25,000	32,500	5,400	5.0	5,420	545,581	2
210	2,600S	2,600S	200 (?)	5.0	?	581	0
211	5,000	6,500	10 (MAX) -850 (P)	5.0	1,130	581	1
212	25,000	32,500	DB	5.0	0	578,581	0
213	200	260	450	5.0	0	581	0
214	600	780	10-16,000 (P)	5.0	0	559,581	0
215	7,000	9,100	500	5.0	1,720	570	2
216	400	520	60	5.0	92.	570	0

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APPENDIX A-8

WATER PROFILE							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
HYDRO AREA	P _y (A-F)	P _y +30% (A-F)	USE (AF) *	WATER DUTY (A-F/A)	TOTAL IRRIG. (ACRES) AVAIL.	REF.	IRRIG. FACTOR
217	200	260	10 (MAX)	5.0	50	567,643	0
218	37,000	48,100	22,000	5.0	5,220	570,581	2
219	38,000	49,400	DB	5.0	0	570,581	0
220	35,000	45,500	18,500-22,000 (P)	5.0	3,700	570	2
221	1,000	1,300	82	5.0	244	571,578	0
222	6,000	7,800	2,355-6,000 (P)	5.0	360	571	1
223	500	650	10 (MAX)	5.0	128	570	0
224	300	390	10 (MAX)	5.0	76	570	0
225	8,000	10,400	40	2.9	3,572	581	2
226	8,000	10,000	40	2.9	3,572	581	2
227A	4,000S	5,200	90	2.9	1,762	581	2
227B	4,000S	5,200	5 (?)	2.9	1,791	581	2
228	2,000	2,600	1,700	2.9	310	581	1
229	1,000	1,300	10 (?)	2.9	445	573,581	1
230	28,000	36,400	47,200	2.9	0	538,643	0
231	400	520	10 (MAX)	2.9	176	566	0
232	150	195	15 (MAX)	3.0	60	566	0

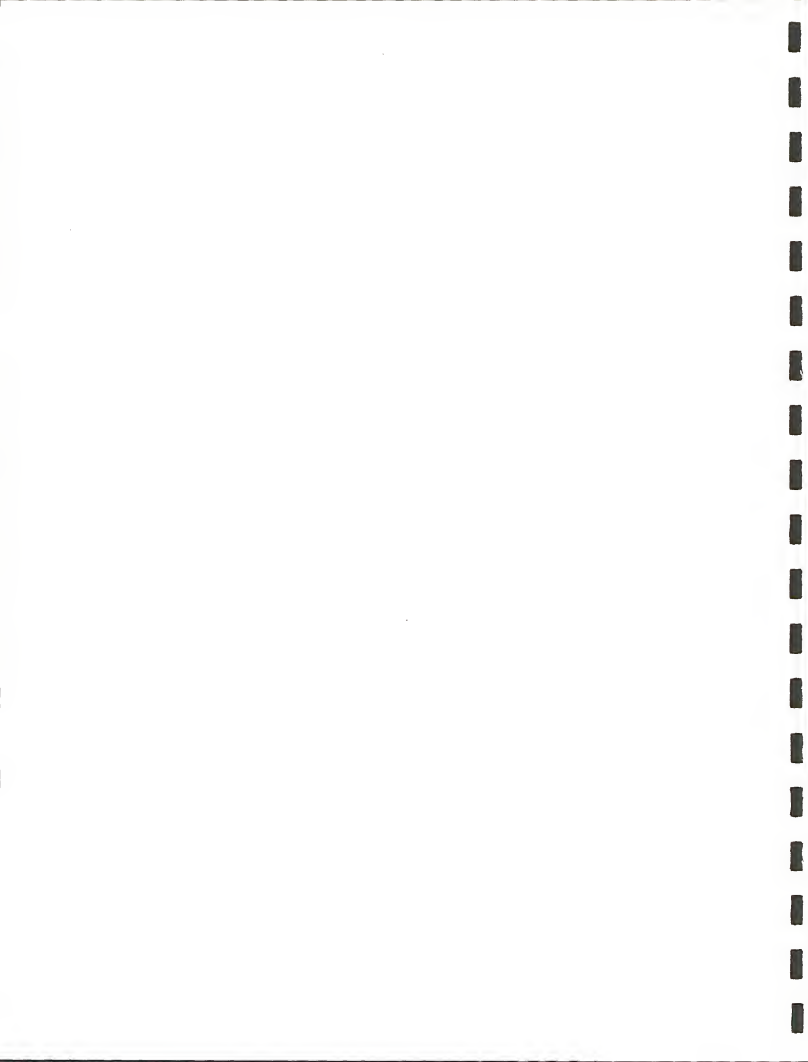
*Use (Acre-Feet) equivalent to current use (Certificates + Permits) as identified by Reconnaissance Survey and State Engineer application records. It is noted that an average value was estimated for each hydrographic area based upon values identified in basin records, reconveys, filings and prior basin studies referenced in the report bibliography.

COMMENTS

Column 1: Hydro Area - hydrographic area designation.

COMMENTS (Cont'd)

- Column 3: $P_v+30\%$ - Estimated maximum total available ground water available annually in the hydrographic area.
S: System hydrographic total (includes other subbasins)
G: Segment of system attributed to ground waters in the subbasin
**: Includes addition inflow irrigation recycled water
- Column 4: Use-Refer to '*' above; value indicates water rights (w) (Cert. + Permit); (P) specifies total estimated rights based upon potential patent land filings although such rights may not be appropriated at the current time; 'FW' specifies Fish & Wildlife Service Water Use; 'DB' indicates designated or restricted subbasin; 'S' specifies system (multi-subbasin estimate); 'AF' indicates most of subbasin in Air Force (or military) test range; (MAX) indicates maximum value estimated based upon irrigation profile and patent land use, no water rights filings made or detailed abstract available.
- Column 5: Water Duty - Acre-feet per acre.
- Column 6: Total Irrig. Acres - Internal computational value; If less than 320 acres are available for water rights filings, (1/2 Section), Irrig. Factor is set to '0'. (Refer to Column 8).
- Column 7: Ref - References; primary references shown although most columnar data is based upon numerous multiple references (refer to bibliography). Weighted average values were used in determining final estimated values placing high weight upon Division of Water Resources Reconnaissance Reports.
- Column 8: Irrig. Factor - Array computational value for overall analysis. Factor = 0 if $\{(P_v=30\%) - \text{Use, or conditions specified in Column 6 were met}\}$, Factor = 1 or 2 dependent upon water availability in hydrographic area.

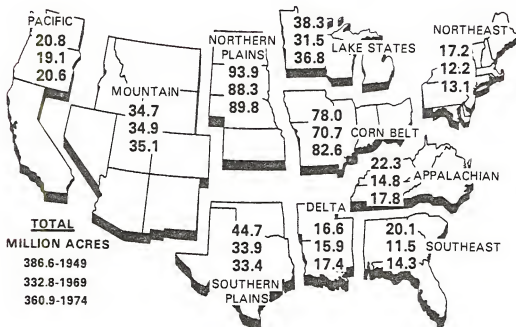


APPENDIX B

PHYSICAL RESOURCE

ANALYSES DATA

CROPLAND USED FOR CROPS





B-1

TOTAL FOM ARRAYMAP: NEVADA QUAD. 1

	1	2	3	4	5	6	7	8	9	10	11	12
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	145.7	223.3
8	0	0	0	0	0	0	243.6	173.7	0	145.7	158.4	158.4
9	0	0	0	0	0	0	360.3	226.4	0	211.5	0	230.5
10	0	0	0	0	0	0	0	167.6	259.2	0	0	0
11	0	0	0	0	0	0	0	215.1	243.6	0	158.4	0
12	0	0	0	0	0	0	0	0	66.8	0	158.4	0
13	0	0	0	0	0	0	0	0	0	0	158.4	0
14	0	159.	335.2	0	0	0	0	0	0	158.4	158.4	0
15	140.	0	0	0	173.7	0	237.6	0	0	0	0	0
16	0	0	148.6	159.	172.8	0	158.4	0	0	0	0	0
17	0	167.6	154.2	0	0	0	0	0	0	158.4	0	0
18	0	0	0	0	0	0	0	0	0	181.6	0	0
19	0	148.6	0	0	0	0	0	0	0	388.8	0	0
20	108.	0	0	0	0	74.3	0	0	0	187.2	0	0

Reference: Refer To Sections 3.0-4.0.

B-1

TOTAL POM ARRAYMAP: NEVADA QUAD. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	144.	119.5	40.3
7	0	0	0	0	0	0	0	0	0	0	239.	96.5	40.3	27.4
8	0	0	0	0	0	0	0	0	0	0	288.	144.	144.	0
9	0	0	0	0	0	0	0	0	0	0	18.	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	28.5
11	0	0	0	0	0	0	0	0	0	0	0	0	0	13.
12	0	0	0	0	0	0	0	0	0	0	0	0	30.9	61.8
13	0	0	0	0	0	0	0	0	0	0	0	17.4	24.6	44.4
14	0	0	0	0	49.1	0	0	0	0	64.	153.6	57.	9.9	17.4
15	0	153.6	76.	61.8	22.2	60.3	0	0	0	54.6	148.9	79.2	33.3	30.1
16	39.6	26.5	39.2	66.5	0	0	0	0	0	0	153.6	84.	0	30.
17	59.4	74.4	0	0	0	0	0	0	0	0	145.7	148.9	0	0
18	0	0	0	0	0	0	0	0	0	0	145.7	230.5	0	7.6
19	0	0	0	0	0	0	0	115.3	0	0	297.8	0	62.2	6.9
20	0	0	0	0	0	0	0	27.	83.8	0	141.	0	83.8	12.1

Reference: Refer To Sections 3.0-4.0

TOTAL FOM ARRAYMAP: NEVADA QUAD. 3

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	128.3	0	0	0	0	0	0	0	0	0	0	0	0
11	94.2	0	0	0	0	30.1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0
13	33.3	0	0	0	17.4	69.7	0	0	0	0	0	0	0
14	33.3	0	0	9.5	0	0	0	0	0	0	0	0	0
15	29.7	0	297.8	297.8	307.3	66.5	0	0	0	0	0	0	0
16	148.9	17.4	0	0	69.7	111.7	0	0	0	0	0	0	0
17	83.8	42.8	0	53.9	87.4	91.9	0	0	0	0	0	0	0
18	0	33.7	0	79.2	114.	79.2	0	0	0	0	178.8	48.6	0
19	0	0	0	76.8	123.6	0	0	0	33.8	0	59.6	33.3	0
20	0	0	132.5	177.4	69.7	0	0	0	0	0	43.2	57.9	0

Reference: Refer To Sections 3.0-4.0.

B-4

TOTAL FOM ARRAYMAP: NEVADA QUAD. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	80.6	0
6	0	0	0	0	0	0	0	0	0	0	0	103.6	0
7	0	0	0	0	0	0	0	0	0	0	0	152.6	0
8	0	0	0	0	0	0	0	0	0	0	0	13.7	0
9	0	0	0	0	0	0	0	0	0	0	0	0	54.8
10	0	0	0	0	0	0	0	0	0	0	67.7	148.9	30.1
11	0	0	0	0	0	0	0	0	0	0	57.7	148.9	0
12	0	0	0	0	0	0	0	0	0	0	0	135.4	67.7
13	0	0	0	0	0	0	0	0	0	0	0	76.3	0
14	0	0	0	0	0	0	0	0	0	0	0	209.5	0
15	0	0	0	0	0	0	0	0	0	0	216.	0	47.5
16	0	0	0	0	0	0	0	0	0	0	0	139.7	31.7
17	0	0	0	0	0	0	0	0	0	0	0	144.	72.
18	0	0	0	0	0	0	0	0	0	0	0	135.5	0
19	0	0	0	0	0	0	0	0	0	0	0	144.	76.3
20	0	0	0	0	0	0	0	0	0	0	0	144.	96.5

Reference: Refer To Sections 3.0-4.0.

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TOTAL FOM ARRAYMAP: NEVADA QUAD. 5

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	61.8	0	0	0	0	0	0	21.6	187.2	292.	88.	0	0
2	0	73.	0	0	0	0	86.4	181.6	0	176.	88.	0	0
3	0	0	182.7	0	0	0	0	0	0	187.2	90.8	0	0
4	0	0	0	0	0	0	0	44.	0	88.	98.5	0	0
5	0	86.1	0	13.4	0	0	0	0	8.8	74.5	27.	0	0
6	0	0	0	0	0	11.7	0	0	0	0	0	0	0
7	0	0	0	0	0	8.	3.7	38.9	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	86.3	0	0	0	0	0
10	0	0	7.9	0	0	0	0	7.8	52.3	0	0	0	0
11	0	0	0	0	0	0	0	13.5	85.4	0	0	0	0
12	0	0	0	0	0	0	0	0	122.4	0	0	0	0
13	0	0	0	0	0	112.6	108.9	77.8	108.	101.5	71.3	0	0
14	0	0	0	0	0	61.2	0	6.3	52.4	0	0	0	0
15	0	0	0	0	0	0	0	54.4	20.6	0	1.6	0	0
16	0	0	0	0	0	0	0	33.7	125.3	0	71.3	0	0
17	0	0	0	0	0	0	0	42.8	140.4	0	0	0	0
18	0	0	0	0	3.7	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	90.7	4.9
22	0	0	0	0	0	0	0	0	0	0	0	0	0

Reference: Refer To Sections 3.0-4.0.

TOTAL FOM ARRAYMAP: NEVADA QUAD. 6

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	0	0	0	0	0	0	30.5	0	0	0	0	0
2	0	0	0	0	0	0	0	223.5	41.9	0	0	0	0
3	0	0	0	0	0	0	345.6	230.4	0	0	0	0	0
4	0	0	0	0	0	325.2	335.2	0	0	0	0	0	0
5	0	0	0	0	0	230.4	345.6	230.4	230.4	0	0	0	131.4
6	0	0	0	0	230.4	324.9	223.5	0	0	0	0	0	131.4
7	0	0	0	0	231.6	230.4	0	90.8	0	90	0	0	209.1
8	0	0	0	0	345.6	0	90.8	167.1	0	0	0	0	99.8
9	0	0	0	223.5	216.8	0	129.2	140.4	0	0	0	148.9	31.3
10	0	0	0	230.4	0	0	140.4	132.	0	0	153.6	99.8	55.8
11	0	0	0	107.2	0	167.6	172.8	0	0	0	131.5	212.3	0
12	0	0	0	0	0	172.8	172.8	0	0	0	39.6	25.3	0
13	0	0	0	0	0	0	0	0	0	0	59.4	0	0
14	0	0	0	0	0	0	0	0	0	0	52.3	0	0
15	36.7	0	0	0	0	0	0	0	19.	66.5	44.4	0	0
16	0	0	0	0	0	0	0	0	23.6	0	0	0	0
17	0	0	0	0	0	0	0	59.6	17.9	0	0	0	0
18	0	0	0	0	0	0	0	0	24.2	0	0	0	0
19	209.5	203.	0	0	0	0	0	0	43.2	0	0	0	155.5
20	0	0	0	0	0	0	0	0	198.7	0	0	121.	0
21	69.	203.	0	0	0	0	0	432.	216.	44.8	203.	78.6	98.5
22	301.7	0	0	0	0	0	0	0	216.	192.2	178.6	184.4	432.

Reference: Refer To Sections 3.0-4.0.

TOTAL FOM ARRAYMAP: NEVADA QUAD. 7

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	61.8	148.9	316.8	0	0	0	69.8	77.8	0	0	38.	55.3
2	0	74.4	0	0	54.5	72.	104.8	99.4	0	0	0	97.2	18.1
3	0	74.4	0	0	0	0	101.52	101.52	0	0	0	0	43.2
4	0	153.6	0	112.3	0	0	67.7	67.7	0	0	0	0	86.4
5	0	76.8	168.5	123.8	123.8	198.7	0	0	0	0	0	128.2	123.8
6	0	0	233.3	139.7	144.	203.	139.7	0	0	0	0	0	132.5
7	0	0	96.5	0	203.	216.	144.	179.3	0	0	0	0	209.5
8	0	0	123.8	139.7	144.	128.2	144.	109.	0	0	0	0	144.
9	0	0	0	0	144.	135.4	0	0	0	0	0	173.9	144.
10	0	0	0	0	84.2	47.5	32.	0	0	0	127.2	123.9	144.
11	0	0	0	0	31.7	0	0	0	0	288.	139.7	144.	144.
12	0	0	0	0	0	0	0	0	144.5	175.	279.4	144.	144.
13	0	0	0	40.3	0	0	0	0	80.6	198.7	230.4	230.4	0
14	0	0	0	56.2	0	0	0	0	144.	144.	0	230.4	198.1
15	0	0	0	34.9	67.7	0	0	144.	144.	216.	0	230.4	205.1
16	0	0	0	207.4	4.3	0	0	0	0	0	0	460.8	129.
17	0	0	325.6	44.6	0	0	0	244.8	0	0	0	0	216.6
18	0	0	56.2	15.8	0	0	0	230.1	0	0	0	0	0
19	0	0	112.3	27.4	0	0	244.8	223.2	0	0	230.4	0	216.6
20	0	94.	99.4	0	0	0	0	237.5	0	0	460.8	216.6	0
21	38.9	81.	3.2	0	0	0	0	237.5	0	0	345.6	198.	57.6
22	216.	72.3	0	0	0	0	315.8	489.6	0	0	57.6	230.4	0

Reference: Refer To Sections 3.0-4.0.

TOTAL FOM ARRAY

MAP: NEVADA QUAD: 8

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	144.	0	0	0	0	0	0	0	0	0	0
3	0	0	144.	144.	0	0	0	0	0	0	0	0	0	0
4	0	0	135.4	0	0	0	0	0	0	162.4	0	0	0	0
5	0	135.4	288.	0	0	0	0	0	167.6	172.8	0	0	0	0
6	0	139.7	288.	0	0	0	0	0	0	79.5	0	0	0	0
7	0	144.	144.	0	0	0	0	0	0	148.6	0	0	0	0
8	144.288.	144.	0	0	0	0	0	0	0	216.8	172.8	162.4	0	0
9	144.144.	0	0	0	0	0	0	0	0	68.2	86.4	0	0	0
10	144.144.	0	0	0	0	0	0	0	0	120.5	41.9	0	0	0
11	128.5	0	0	0	0	0	0	0	0	32.8	153.8	0	0	0
12	10.6	0	0	0	144.	0	0	0	0	0	26.4	0	0	0
13	121.3	0	0	0	181.6	0	0	0	0	32.8	124.4	0	0	29.4
14	213.5	0	0	0	187.2	0	0	0	0	81.2	139.7	134.8	62.2	105.4
15	159.	0	0	210.6	187.2	172.2	0	0	0	119.2	194.4	0	0	0
16	95.6	0	0	171.3	333.2	333.2	0	0	0	172.8	260.5	0	0	0
17	345.6	0	0	171.3	310.8	179.7	0	0	0	167.6	173.7	0	0	0
18	324.9	25.3	0	0	333.2	0	0	0	0	0	119.2	0	0	173.7
19	0	307.6	230.4	0	125.4	0	0	0	0	0	388.8	110.6	57.	96.8
20	140.5	0	0	0	176.	0	0	0	0	0	0	172.8	172.8	172.8
21	230.4	0	0	187.2	280.8	155.4	0	0	0	0	0	0	0	172.8
22	50.7	187.2	2187.2	363.2	363.2	151.6	0	115.2	0	0	0	0	0	172.8

Reference: Refer To Sections 3.0-4.0.

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TOTAL FOM ARRAY

MAP: NEVADA QUAD. 9

	1	2	3	4	5	6	7	8	9	10	11	12
1	0	0	0	0	0	0	0	127.8	0	0	111.6	0
2	0	0	0	0	0	0	0	3.2	0	0	111.6	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	70.	0	0	187.2
6	0	0	0	0	0	0	0	0	0	0	511.8	539.1
7	0	0	0	0	0	0	0	0	0	0	0	202.2
8	0	0	0	0	0	0	0	0	0	0	0	61.8
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0

Reference: Refer To Sections 3.0-4.0.

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13	14	15	16	17	18	19	20
0	0	0	0	216.	174.9	174.9	108.
0	0	0	0	216.	216.	216.	0
0	0	0	0	0	432.	273.7	0
0	0	0	0	0	419.	0	104.8
0	0	0	0	0	0	0	209.5
0	0	0	203.	0	0	0	0
0	0	0	0	0	0	0	0
272.4	0	237.5	0	0	0	0	0
78.6	0	0	244.8	0	0	0	0
5.6	228.4	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

TOTAL POM ARRAY

MAP: NEVADA QUAD. 10

	1	2	3	4	5	6	7	8	9	10	11	12	1
1	209.5	131.8	0	0	0	0	474.9	460.2	406.4	0	0	0	223
2	216.3	0	0	0	0	0	0	230.1	0	0	230.4	345.6	149
3	209.5	0	0	0	0	0	0	325.6	0	115.2	0	0	
4	96.1	216.	0	0	0	0	0	244.8	0	115.2	0	0	
5	108.	216.	0	0	0	0	0	0	0	115.2	0	0	
6	0	0.	0	0	0	0	0	115.2	153.2	115.2	0	0	
7	0	0	0	0	0	0	0	0	153.2	115.2	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	124.3	20.7	0	0	0	0	0	0	0	0	0
17	0	0	0	25.6	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	129.6	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	7.3	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0

Reference: Refer To Sections 3.0-4.0.

TOTAL FOM ARRAY

MAP: NEVADA QUAD. 11

	1	2	3	4	5	6	7	8	9	10	11	12
1	0	0	374.4	134.8	363.2	0	0	115.2	108.3	83.8	81.2	0
2	0	122.1	230.4	181.6	140.4	216.	0	115.2	0	230.4	0	135.
3	114.	223.4	0	460.8	216.	0	0	115.2	0	398.4	230.4	0
4	230.4	212.	447.	230.4	0	216.	0	115.2	0	230.4	382.5	0
5	0	223.5	460.8	230.4	0	216.	0	111.7	0	0	78.7	447.
6	0	0	230.4	230.4	216.	0	0	115.2	111.7	0	0	0
7	244.8	0	230.4	0	216.	216.	0	115.2	115.2	0	0	0
8	244.8	0	0	461.4	419.	0	0	115.2	115.2	0	0	0
9	0	0	0	93.3	518.4	259.2	115.2	115.2	115.2	0	0	0
10	0	0	0	373.2	259.2	0	115.2	101.8	0	0	0	0
11	0	0	0	518.4	0	0	230.4	203.6	0	0	0	0
12	0	0	0	0	129.6	0	230.4	0	0	173.	0	0
13	0	0	0	0	0	487.3	259.2	0	129.6	0	0	0
14	0	0	0	0	0	0	0	0	129.6	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	288.	125.7
20	0	0	0	0	0	0	0	279.4	432.	201.1	54.3	145.8
21	0	0	0	0	0	0	0	0	0	0	0	0

Reference: Refer To Sections 3.0-4.0.

13	14
0	162.4
0	0
0	0
139.7	0
0	0
0	0
0	0
0	0
0.3	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
129.6	194.4
129.6	0
0	0
93.3	0
0	0

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TOTAL FOM ARRAYMAP: NEVADA QUAD. 12

	1	2	3	4	5	6	7	8	9	10	11	12
1	0	0	0	0	0	0	0	125.7	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	144.	0	0	0	0
8	0	0	0	0	0	0	0	113.7	0	0	0	0
9	0	0	0	0	0	0	0	0	98.8	0	0	0
10	0	0	0	0	0	0	0	0	0	78.5	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0

Reference: Refer To Sections 3.0-4.0.

13	14	15	16	17	18	19	20	21	22	23
0	0	0	0	288.	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

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ARRAY 1LAND (AVAILABILITY) QUANTITYMAP: NEVADA QUAD. 1

	1	2	3	4	5	6	7	8	9	10	11	12
1	.44	.31	.42	.58	0	0	0	0	0	0	.33	.22
2	.92	.44	.78	.44	0	0	0	0	0	0	.56	.53
3	.64	.31	.78	.22	0	0	0	0	0	1.00	.78	.50
4	.56	.58	.89	.97	.94	0	0	0	0	.92	.92	.50
5	.83	.47	1.00	.50	.92	0	0	0	0	.78	.97	.22
6	.81	.25	.72	.89	.86	.92	.94	.97	.53	.89	.89	.50
7	.97	.78	.86	.97	1.0	.86	1.00	.89	.92	.86	.92	.94
8	.97	.58	.81	.89	1.00	.92	.94	.67	.97	.92	1.00	1.00
9	1.19	1.11	1.21	1.17	1.30	1.34	1.39	1.31	.97	.89	1.30	.97
10	.83	.89	.92	.89	.92	.92	.97	.97	1.00	1.00	1.00	1.00
11	.47	.78	.92	.86	.97	.89	1.00	.83	1.00	1.00	1.00	1.00
12	.86	.72	.81	.83	.69	.81	1.00	.97	.92	1.00	1.00	1.00
13	.92	.94	.86	.97	.94	.58	.94	1.00	1.00	1.00	1.00	.94
14	.67	.92	.97	.97	.81	.50	.97	1.00	1.00	1.00	1.00	1.00
15	.81	.86	.92	.94	.67	.83	1.00	.94	1.00	1.00	1.00	.97
16	.72	.97	.86	.92	1.00	.92	1.00	.67	1.00	1.00	1.00	.97
17	.67	.97	.92	1.00	1.00	.94	1.00	.67	1.00	1.00	1.00	.92
18	.81	.75	1.00	.94	.94	1.00	.97	1.00	1.00	1.00	.89	.86
19	.97	.86	.50	.50	.72	.92	1.00	1.00	1.00	1.00	.97	.61
20	.75	.92	0	0	.06	.86	1.00	1.00	1.00	1.00	.67	.53

Reference: Lutsey, I.A., et al, Land Status Map of Nevada, 1972.

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ARRAY 2LAND QUALITY
GROWING SEASON - TOPOGRAPHYMAP: NEVADA QUAD. 1

	1	2	3	4	5	6	7	8	9	10	11	12
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1.0
4	0	0	0	0	0	0	0	0	0	0	0	1.0
5	0	0	0	0	0	0	0	0	0	0	0	1.0
6	0	0	0	0	0	0	0	0	0	0	1.1	1.1
7	0	0	0	0	0	0	1.1	1.2	1.2	1.1	1.1	1.1
8	0	1.0	0	0	0	0	1.2	1.2	1.1	1.1	1.1	1.1
9	0	0	0	0	0	0	1.2	1.2	1.1	1.1	1.1	1.1
10	0	0	0	0	0	0	1.1	1.2	1.2	1.1	1.1	1.1
11	0	0	0	0	0	1.5	1.5	1.2	1.2	1.1	1.1	1.1
12	0	0	0	0	1.5	1.5	1.5	1.2	1.2	1.1	1.1	1.1
13	0	0	0	0	1.5	1.5	1.5	1.1	1.1	1.1	1.1	1.1
14	1.1	1.2	1.2	1.2	1.2	1.5	1.3	1.1	1.1	1.1	1.1	1.1
15	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
16	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
17	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.3	1.3
18	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.3	1.3	1.3
19	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.3	1.3	1.3
20	1.0	1.1	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.3	1.3	1.3

References: Multiple References; Refer To Text.

B-13

ARRAY 3

LAND QUALITY
MANAGEMENT - RECLAMATION
SOILS - TOPOGRAPHY

MAP: NEVADA QUAD. 1

	1	2	3	4	5	6	7	8	9	10	11	12
1	2 645	0 648	4 646	2 648	3 646	0 648	0 648	0 648	0 500	0 500	0 648	3 646
2	2 645	0 648	0 648	3 645	3 646	3 646	0 648	0 648	0 648	0 648	3 646	2 646
3	3 645	4 646	2 648	3 645	0 646	4 646	0 648	2 646	2 648	0 648	4 646	3 645
4	2 645	4 646	2 648	3 645	4 646	0 648	0 648	0 648	0 648	4 646	4 646	3 645
5	3 646	4 646	2 648	2 645	0 648	0 648	3 646	3 646	0 648	3 646	0 648	2 645
6	2 645	4 645	3 648	0 648	0 648	0 648	3 646	0 648	4 646	4 646	0 648	2 648
7	2 631	4 631	0 631	2 631	0 631	0 631	0 648	0 648	0 648	0 648	2 648	3 646
8	2 631	2 631	0 631	0 631	0 631	0 631	3 646	3 646	0 648	2 646	2 646	2 648
9	2 631	0 607	2 607	0 607	2 631	0 631	3 646	2 648	0 648	3 646	0 648	3 646
10	2 607	2 607	0 607	0 631	2 631	0 631	0 648	2 648	3 646	3 646	0 648	0 648
11	0 607	0 607	4 607	0 607	2 610	2 610	2 610	3 646	3 646	0 648	2 648	0 648
12	0 607	0 607	4 607	0 607	0 610	0 610	2 610	0 648	2 646	0 648	2 648	0 648
13	0 607	0 607	0 607	4 607	0 610	2 610	4 610	0 648	0 648	0 648	2 648	0 648
14	0 619	2 627	4 627	0 627	0 627	0 610	0 610	0 648	0 648	2 648	2 648	0 648
15	2 627	0 619	0 627	0 627	3 646	3 646	3 646	0 646	0 648	0 648	0 648	0 648
16	0 627	0 627	2 627	2 627	2 627	3 646	2 648	0 600	0 648	0 648	0 648	0 648
17	0 627	2 627	2 627	0 627	0 627	0 600	0 600	2 600	0 600	2 600	0 600	0 600
18	0 627	2 627	0 627	0 627	2 648	0 600	4 600	4 600	0 600	2 600	0 600	0 600
19	0 627	2 627	0 627	0 627	2 648	2 600	4 600	4 600	0 600	2 600	0 600	0 600
20	2 627	2 627	0 627	2 644	2 644	2 602	0 600	0 600	0 600	2 600	0 600	2 600

References: Multiple References; Refer To Text.

B-13

ARRAY 4

MAN-MADE LIMITATIONS

MAP: NEVADA QUAD. 1

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	0
3	1	1	1	1	1	1	1	1	1	1	1	0
4	1	1	1	1	1	1	1	1	1	1	1	0
5	1	1	1	1	1	1	1	1	1	1	1	0
6	1	1	1	1	1	1	1	1	1	1	1	0
7	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	0	0	0	1	1	1	1	1
12	1	1	1	1	0	0	0	1	1	1	1	1
13	1	1	1	1	0	0	0	1	1	1	1	1
14	1	1	1	1	0	0	0	1	1	1	1	1
15	1	1	1	1	1	0	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

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ARRAY 5NATURAL LIMITATIONSMAP: NEVADA QUAD. 1

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	.97 596	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	.97 596	1	1	.94 819	1	1	1
12	1	1	1	1	1	1	1	1	.42 819	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	.94 596
14	1	1	1	1	1	.53 596, 819	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	.53 596	1	1	1	1	1	1
17	1	1	.97 596	1	1	.97 596	1	1	1	1	.97 596	1
18	1	1	1	1	1	1	1	1	1	.97 596	1	1
19	1	1	1	1	1	.89 596	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	.94 596

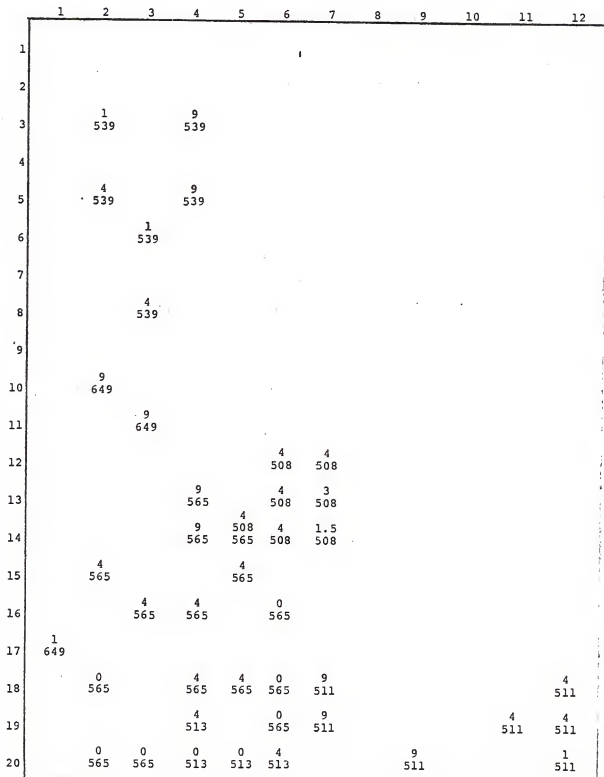
References: Multiple References; Refer To Text.

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ARRAY 6

WATER QUALITY

MAP: NEVADA QUAD. 1



Reference: Multiple References; Refer To Text

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ARRAY 7WATER AVAILABILITYMAP: NEVADA QUAD. 1

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	0	0	0	1	1	0	0	0	0	2	0
2	1	1	0	1	1	1	0	0	0	0	2	0
3	1	1	2	1	0	0	0	0	0	2	2	0
4	1	2	2	1	0	0	0	0	0	0	2	0
5	1	2	2	1	1	0	0	0	0	0	0	0
6	1	2	2	1	1	2	2	2	1	0	2	2
7	1	2	2	2	2	2	2	2	2	2	2	2
8	1	0	2	2	2	2	2	2	2	2	2	2
9	1	2	2	2	2	2	2	2	2	2	2	2
10	1	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	0	2	2	2	2	2	2
12	2	2	2	2	0	0	0	2	2	2	2	2
13	0	2	2	2	0	0	0	2	2	2	2	2
14	1	2	2	2	2	0	0	2	2	2	2	2
15	2	2	2	2	2	1	2	2	2	2	2	2
16	2	2	2	2	2	0	2	2	2	2	2	2
17	2	2	2	2	0	0	0	0	2	2	2	2
18	0	2	2	2	0	0	0	0	2	2	2	2
19	0	2	2	2	0	0	1	0	2	2	2	2
20	2	0	2	2	2	1	1	0	2	2	2	0

Reference: Multiple References; Refer To Text.

B-14
ARRAY 3

LAND QUALITY
MANAGEMENT - RECLAMATION
SOILS - TOPOGRAPHY

MAP: NEVADA QUAD. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2 646	2 646	2 646	0 599	0 599	0 599	3 599	3 599	0 599	0 599	0 599	0 603	0 603	0 603
2	2 645	0 648	3 645	0 599	0 599	0 599	2 599	3 599	3 599	0 599	0 599	0 603	0 603	0 603
3	2 645	0 648	4 645	2 599	0 599	0 599	3 599	3 599	3 599	0 599	0 605	0 603	0 603	0 603
4	2 645	2 648	4 645	3 646	0 599	3 599	3 599	3 599	0 599	0 605	0 605	0 605	0 603	0 603
5	2 648	3 646	3 645	2 648	0 599	3 599	3 599	3 599	2 605	2 605	0 605	0 605	0 605	0 605
6	2 646	2 648	3 646	3 646	3 646	3 599	3 599	3 599	4 605	0 605	0 605	2 605	2 605	2 605
7	2 646	3 646	2 648	2 648	0 599	3 599	3 599	3 599	4 605	3 605	4 605	2 605	2 605	2 605
8	2 646	0 648	3 646	2 648	2 648	2 648	0 599	3 599	3 599	4 605	4 605	2 605	2 605	0 605
9	0 648	0 648	3 646	2 648	2 648	2 648	2 648	0 605	3 605	4 605	2 605	4 605	2 605	2 605
10	0 648	3 646	2 648	2 648	2 648	2 648	2 648	2 614	3 605	2 605	2 605	4 605	2 605	2 605
11	0 648	2 648	2 648	2 648	2 648	2 648	2 605	0 605	3 605	2 605	2 605	4 605	3 605	3 605
12	0 648	2 648	2 648	2 648	2 648	0 605	3 605	3 605	3 605	2 605	3 605	3 605	2 605	4 605
13	0 648	2 648	2 648	2 648	2 605	3 605	3 605	2 605	0 605	4 605	0 605	2 605	2 605	4 605
14	0 648	2 605	0 605	0 605	4 605	4 605	0 605	2 605	0 605	2 605	4 605	2 605	2 605	4 605
15	2 605	4 605	3 605	4 605	4 605	2 605	0 605	2 605	0 605	2 605	2 605	2 605	2 605	4 605
16	2 605	4 605	3 605	4 605	2 605	2 605	0 605	2 605	0 605	2 605	2 605	2 605	0 605	2 605
17	2 605	4 605	0 605	0 605	2 605	0 605	0 605	2 605	0 605	2 605	2 605	2 605	0 605	0 605
18	0 600	4 600	0 600	0 648	3 645	3 645	0 648	0 605	0 605	0 605	2 605	3 605	0 605	2 605
19	0 600	4 648	0 600	0 648	3 645	3 645	0 648	3 646	0 605	0 605	4 605	0 605	2 605	2 605
20	2 600	3 648	0 600	0 648	3 645	0 648	2 646	3 646	2 648	0 605	2 605	0 605	2 605	2 605

References: Multiple References; Refer To Text.

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ARRAY 2LAND QUALITY
GROWING SEASON - TOPOGRAPHYMAP: NEVADA QUAD. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0	0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0	0	0
2	1.0	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0	0
3	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0	0
4	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0	0	1.0	0	0
5	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	0	1.0	1.0	0
6	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0
7	1.1	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0
8	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.0	1.0	1.0	1.0
9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.0	1.0	1.1	1.1
10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.0	1.1	1.1	1.1
11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.0	1.1	1.1	1.1
12	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1
13	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1
14	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
15	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
16	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
17	1.1	1.1	1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.2
18	1.1	1.5	1.5	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.2	1.2
19	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.2	1.2
20	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.2	1.2	1.4	1.1	1.2	1.2	1.2

References: Multiple References; Refer To Text.

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ARRAY 5

NATURAL LIMITATIONS

MAP: NEVADA QUAD. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	.94 596	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	.94 596	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	.94 596	1	1	1	1	.97 596	.97 596	1	1	1
14	1	1	1	.94 596	1	1	1	1	1	.94 596	1	1	1	1
15	1	1	1	1	1	.94 596	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	.97 596	.92 819	.92 819	1	1	1	.97 596	.97 596
17	1	1	1	.94 596	1	1	1	.88 819	.88 819	1	1	1	.89 596	1
18	1	1	.97 596	.94 596	1	1	1	1	1	1	1	1	1	1
19	.94 596	.97 596	1	.97 596	1	1	1	1	1	.97 596	1	1	1	1
20	.97 596	1	.83 596	.94 596	1	1	.97 596	.97 596	1	1	1	1	1	1

References: Multiple References; Refer To Text.

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ARRAY 4

MAN-MADE LIMITATIONS

MAP: NEVADA QUAD. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	1	0	0	0	0	0	0	0	0	0	1	1	1
2	0	0	0	0	0	0	0	0	0	0	0	1	1	1
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1
8	0	0	0	0	0	0	0	0	0	0	1	1	1	0
9	0	0	0	0	0	0	0	0	0	0	1	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	1	1
13	0	0	0	0	0	0	0	0	0	0	1	1	1	1
14	0	0	0	1	1	0	0	0	0	1	1	1	1	1
15	0	1	1	1	1	1	0	0	1	1	1	1	1	1
16	1	1	1	1	1	1	0	0	0	1	1	1	1	1
17	1	1	1	1	1	1	0	0	0	0	1	1	1	1
18	0	0	0	1	1	1	0	0	0	1	1	1	1	1
19	0	0	0	1	1	1	1	1	1	1	1	1	1	1
20	0	0	0	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

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ARRAY 5

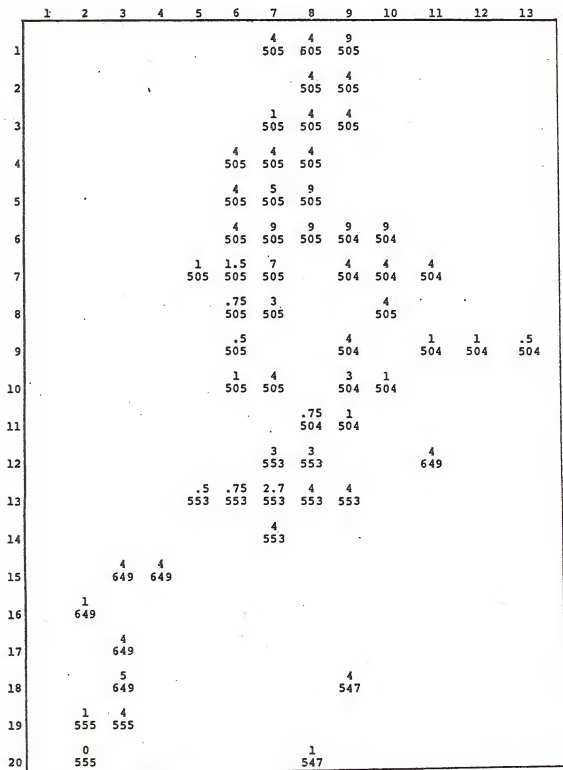
NATURAL LIMITATIONS

MAP: NEVADA QUAD. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	.94 596	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	.94 596	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	.94 596	1	1	1	1	.97 596	.97 596	1	1	1
14	1	1	1	.94 596	1	1	1	1	1	.94 596	1	1	1	1
15	1	1	1	1	1	.94 596	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	.97 596	.92 819	.92 819	1	1	1	.97 596	.97 596
17	1	1	1	.94 596	1	1	1	.88 819	.88 819	1	1	1	.89 596	1
18	1	1	.97 596	.94 596	1	1	1	1	1	1	1	1	1	1
19	.94 596	.97 596	1	.97 596	1	1	1	1	1	.97 596	1	1	1	1
20	.97 596	1	.83 596	.94 596	1	1	.97 596	.97 596	1	1	1	1	1	1

References: Multiple References; Refer To Text.

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ARRAY 6WATER QUALITYMAP: NEVADA QUAD. 2

Reference: Multiple References; Refer To Text.

ARRAY 7WATER AVAILABILITYMAP: NEVADA QUAD. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
2	0	0	0	0	0	0	0	0	0	0	0	1	1	1
3	0	0	0	0	0	0	0	0	0	2	2	1	1	1
4	0	0	0	0	0	0	0	0	0	0	0	2	1	1
5	0	0	0	0	0	0	0	0	0	0	0	2	2	2
6	0	0	0	0	0	0	0	0	0	0	0	2	2	2
7	2	0	0	0	0	0	0	0	0	0	2	2	2	2
8	2	0	0	0	0	0	0	0	0	0	2	2	2	2
9	0	0	0	0	0	0	0	0	0	0	2	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	2	0	0	0	0	0	0	0	0	0	1	1	1	1
13	2	0	0	0	0	0	0	0	0	0	1	1	1	1
14	0	0	1	1	1	1	0	0	0	1	1	1	1	1
15	1	1	1	1	1	1	0	0	0	1	2	2	1	1
16	1	1	1	1	1	1	0	0	0	1	2	2	1	1
17	1	1	1	0	0	0	0	0	0	1	2	2	1	1
18	1	0	0	0	0	0	0	1	1	2	2	2	1	1
19	0	0	0	0	0	0	0	1	1	2	2	2	1	1
20	0	0	0	0	0	0	0	1	1	0	2	1	1	1

Reference: Multiple References; Refer To Text.

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ARRAY 1LAND (AVAILABILITY) QUANTITYMAP: NEVADA QUAD. 3

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.00	1.00	1.00	1.00	1.00	.33	0	0	0	0	.17	.72	.25
2	.94	1.00	1.00	.97	.94	.31	0	0	0	0	0	0	0
3	1.03	1.00	1.00	.94	.58	0	.22	0	0	0	0	0	0
4	1.08	1.00	.97	.97	.78	.28	.03	.06	0	0	.11	.03	.14
5	1.08	1.00	.78	1.00	.67	.33	.06	.28	0	.06	.61	.33	.19
6	1.08	.97	.78	.78	.67	.78	.75	.14	0	.25	.67	.94	.72
7	1.00	.78	.69	.47	.72	.75	.67	.19	0	.08	.47	.92	.78
8	1.28	.89	.83	.50	.33	.31	.56	.17	0	.42	.47	.97	.78
9	1.14	.44	.64	.83	.22	.11	.31	.17	.33	.78	.61	.86	.42
10	.81	.33	.50	.94	.67	.06	.19	.53	.61	.50	.39	.50	.31
11	1.19	.89	1.00	.67	.75	.19	.42	.28	.53	.28	.50	.31	.39
12	.58	.81	.64	.58	.33	.11	.33	.14	.50	.47	.50	.33	.33
13	.42	.50	.50	.33	.11	.50	.31	.28	.14	.58	.36	.36	.42
14	.42	.50	.39	.03	0	.42	.36	.44	.39	.56	.11	.39	.56
15	.25	.36	.94	.94	.97	.42	.47	.44	.78	.31	.44	.50	.11
16	.94	.11	.42	.39	.22	.47	.36	.22	1.00	.56	.36	.39	0
17	.97	.33	.50	.42	.31	.58	.64	.31	.28	.58	.53	.17	.03
18	.31	.39	.61	.50	.36	.50	.25	.22	.44	.50	.92	.25	.03
19	.50	.44	.53	.50	.39	.47	.53	.53	.47	.94	.69	.22	0
20	.72	.75	.89	.56	.44	.78	.72	.53	1.00	.92	.50	.67	0

Reference: Lutsey, I.A., et al, Land Status Of Nevada, 1972.

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ARRAY 2

LAND QUALITY
GROWING SEASON - TOPOGRAPHY

MAP: NEVADA QUAD. 3

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0
6	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0
7	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	0
8	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0
9	1.0	0	0	0	0	0	0	0	0	0	0	0	0
10	1.1	0	0	0	0	0	0	0	0	0	0	0	0
11	1.1	0	0	0	0	1.1	0	0	0	0	0	0	0
12	1.1	0	0	0	1.1	1.1	0	0	0	0	0	0	0
13	1.1	0	0	0	1.1	1.1	0	0	0	0	0	0	0
14	1.1	0	0	1.1	1.1	1.1	0	0	0	0	0	0	0
15	1.1	1.1	1.1	1.1	1.1	1.1	0	0	0	0	0	0	0
16	1.1	1.1	1.1	1.2	1.1	1.1	0	0	0	0	0	0	0
17	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	0	0	0	0	0
18	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0	0	0	1.2	1.2	1.2
19	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.2	1.2	1.2	1.2
20	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2

References: Multiple References; Refer To Text.

ARRAY 3

LAND QUALITY
MANAGEMENT - RECLAMATION
SOILS - TOPOGRAPHY

MAP: NEVADA QUAD. 3

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0 603	0 603	0 603	0 603	0 603	0 603	0 603	2 603	0 603	0 603	0 603	0 603	2 603
2	0 603	0 603	0 603	0 603	0 603	0 603	0 603	0 603	0 603	0 603	0 603	0 603	0 603
3	0 603	0 603	0 603	0 603	2 603	2 603	2 603	0 603	0 603	0 603	0 603	0 603	0 603
4	0 603	0 603	0 603	0 603	0 603	0 603	2 603	0 603	0 603	0 603	2 603	0 603	0 603
5	0 603	0 603	0 603	0 603	2 603	2 603	2 603	2 603	0 603	2 603	2 603	0 603	2 603
6	0 605	0 605	0 605	0 605	2 605	0 605	0 605	0 605	0 605	0 605	0 605	0 605	0 605
7	0 605	0 605	0 605	0 605	0 605	0 605	0 605	2 605	0 605	0 605	2 605	0 605	0 605
8	0 605	0 605	0 605	0 605	0 605	0 605	0 605	2 605	0 605	0 605	3 605	0 605	0 605
9	0 605	4 605	2 605	2 605	0 605	0 605	0 605	2 605	0 605	0 605	3 605	0 605	3 605
10	4 605	2 605	4 605	0 605	2 605	0 605	0 605	0 605	0 605	0 605	3 605	0 605	2 605
11	2 605	0 605	4 605	0 605	0 605	2 605	0 605	2 605	0 605	2 605	2 605	2 605	2 605
12	0 605	0 605	2 605	0 605	0 605	0 605	0 605	3 605	0 605	0 605	2 605	2 605	2 605
13	2 605	0 605	0 605	3 605	2 605	2 605	0 605	3 605	2 605	0 605	3 605	3 605	2 605
14	2 605	0 605	0 605	4 605	3 605	0 605	2 605	2 605	3 605	3 605	0 628	2 605	2 605
15	3 605	0 605	4 605	4 605	4 605	2 605	0 605	0 605	0 605	2 605	0 628	3 605	0 605
16	4 605	4 605	0 605	0 605	4 605	3 605	0 605	0 605	0 605	2 605	2 605	3 605	0 605
17	2 605	3 605	0 605	2 605	4 605	2 605	0 605	0 633	2 605	2 605	2 605	2 605	0 605
18	0 605	2 605	0 605	2 605	4 605	2 605	0 605	0 633	2 605	0 605	2 605	2 605	0 605
19	0 605	0 605	0 605	2 605	4 605	0 605	0 605	0 633	2 605	0 605	2 605	2 605	0 605
20	0 605	0 605	2 605	4 605	2 605	0 605	0 633	0 633	0 615	0 605	2 605	2 605	0 605

References: Multiple References; Refer To Text.

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ARRAY 4

MAN-MADE LIMITATIONS

MAP: NEVADA QUAD. 3

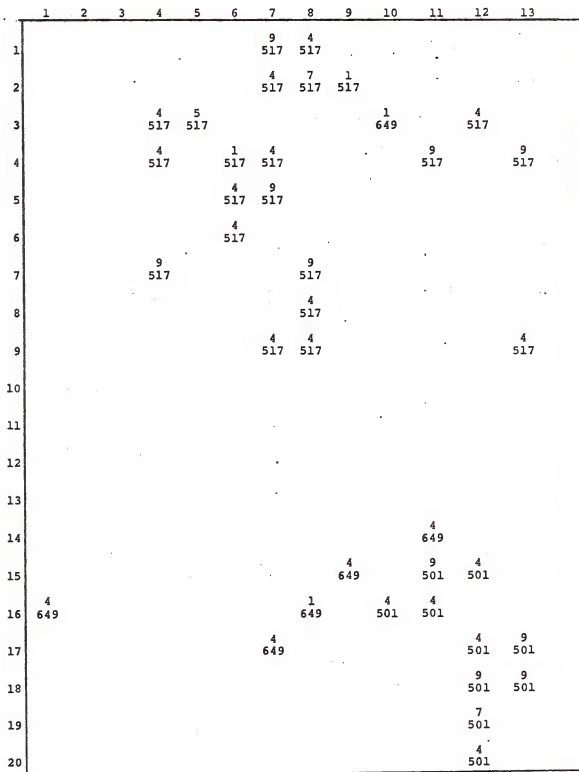
	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	1	1	1	1	1	1	1	1	1	1	1	1
9	0	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

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ARRAY 5
NATURAL LIMITATIONS
MAP: NEVADA QUAD. 3

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	.97 596	1	1	.97 596	1
4	1	1	1	1	1	1	1	.88 596	1	1	1	1	.94 596
5	1	1	1	1	1	1	1	.97 596	1	1	1	1	1
6	1	1	1	1	1	1	.97 596	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	.97 596	.94 596	1	1	1	1	1	1
9	1	.97 596	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	.94 596	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	.88 596	1	1	1	1	1	1	1
14	1	1	1	1	1	1	.97 596	1	1	1	.78 819	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	.94 819	1	1	.97 596	1	1	1	1	1	1
17	1	1	.75 819	.81 819	.89 819	1	1	1	.94 596	1	1	1	1
18	.94 596	1	1	1	1	1	1	1	.97 596	1	1	1	1
19	1	.97 596	1	.97 596	1	1	.97 596	1	1	1	1	1	1
20	1	.97 596	.94 596	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

ARRAY 6WATER QUALITYMAP: NEVADA QUAD. 3.

Reference: Multiple References; Refer To Text.

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ARRAY 7WATER AVAILABILITYMAP: NEVADA QUAD. 3

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	2	2	2	2	2	0	0	0	2	2	2	2
2	1	1	2	2	2	2	2	0	0	0	2	2	2
3	1	1	2	2	2	2	2	2	0	0	0	2	2
4	1	1	1	2	2	2	2	2	0	0	0	0	2
5	2	2	1	2	2	2	2	2	2	0	0	2	2
6	2	2	2	2	2	2	2	2	2	1	0	1	2
7	2	2	2	2	2	2	2	2	2	1	1	1	1
8	2	2	2	2	2	2	2	2	2	1	1	1	1
9	2	2	2	2	2	2	2	2	2	1	1	1	1
10	1	2	2	2	1	2	2	1	1	1	1	1	1
11	1	1	1	1	1	2	1	1	1	1	1	1	1
12	1	1	1	1	2	2	1	1	1	1	1	1	1
13	1	1	1	1	2	2	1	1	1	1	1	1	1
14	1	1	1	2	2	2	1	1	1	1	1	1	1
15	1	2	2	2	2	2	1	1	1	1	1	1	1
16	1	1	1	0	2	2	1	1	1	1	1	1	1
17	1	1	0	2	2	2	2	1	1	1	1	1	1
18	1	1	2	2	2	2	1	1	1	1	1	1	1
19	1	2	2	2	2	2	1	1	1	1	1	1	1
20	1	2	2	2	2	1	1	1	1	1	1	1	1

Reference: Multiple References; Refer To Text.

ARRAY 1

LAND (AVAILABILITY) QUANTITY

MAP: NEVADA QUAD. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	.22	.22	.22	0	.36	.53	.53	.56	.61	.36	.33	.53	.19
2	0	0	0	.53	.78	.64	.50	.75	.33	.47	.58	.72	.28
3	0	0	.33	.89	.89	.67	.58	.78	.39	.92	1.00	.92	.28
4	0	0	.72	.81	1.00	.69	.56	.39	.94	.94	1.00	.67	.11
5	.17	.56	.78	.92	.97	.92	.89	.64	.92	.94	.94	.56	.11
6	.58	.97	.72	.19	.50	1.00	1.00	.94	.89	.64	.53	.36	.17
7	.94	.94	.39	.53	.19	.42	.39	.42	.53	.53	.53	.53	.17
8	.25	.42	.31	.22	.17	.39	.42	.50	.50	.50	.22	.19	.19
9	.36	.33	.50	.28	.22	.36	.33	.44	.44	.42	.42	.42	.19
10	.39	.17	.86	.44	.39	.53	.42	.53	.47	.47	.47	.47	.19
11	.39	.28	.08	.17	.17	.44	.47	.47	.47	.56	.47	.47	.25
12	.50	.14	0	0	.19	.44	.47	.47	.47	.69	.47	.47	.22
13	.14	.08	0	.03	.11	.28	.44	.47	.31	.56	.47	.53	.36
14	.11	0	0	.08	.39	.58	.75	.75	.72	.58	.78	.97	.50
15	0	0	.03	.22	.86	1.00	.97	1.00	.67	1.00	1.00	1.00	.33
16	0	0	.39	.53	.83	1.00	1.00	1.00	.78	1.00	1.00	.97	.22
17	0	.11	.89	.67	1.00	.94	1.00	.97	.92	1.00	1.00	1.00	.50
18	.03	.31	.89	.75	.83	1.00	1.00	1.00	1.00	1.00	1.00	.97	.56
19	.03	.94	.97	.75	.97	.97	.97	1.00	1.00	1.00	1.00	1.00	.53
20	.42	1.00	1.00	.64	.84	.94	.72	1.00	1.00	.97	1.00	1.00	.67

Reference: Lutsey, I.A., et al, Land Status Of Nevada, 1972.

ARRAY 2LAND QUALITY
GROWING SEASON - TOPOGRAPHYMAP: NEVADA QUAD. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	1.0	0
5	0	0	0	0	0	0	0	0	0	0	0	1.0	0
6	0	0	0	0	0	0	0	0	0	0	0	1.0	0
7	0	0	0	0	0	0	0	0	0	0	1.0	1.0	0
8	0	0	0	0	0	0	0	0	0	0	1.0	1.0	1.0
9	0	0	0	0	0	0	0	0	0	0	1.0	1.0	1.0
10	0	0	0	0	0	0	0	0	0	0	1.0	1.1	1.1
11	0	0	0	0	0	0	0	0	0	0	1.0	1.1	1.1
12	0	0	0	0	0	0	0	0	0	0	1.0	1.0	1.0
13	0	0	0	0	0	0	0	0	0	0	1.0	1.0	1.0
14	0	0	0	0	0	0	0	0	0	0	1.0	1.0	1.0
15	0	0	0	0	0	0	0	0	0	0	1.0	1.0	1.0
16	0	0	0	0	0	0	0	0	0	0	1.0	1.0	1.0
17	0	0	0	0	0	0	0	0	0	0	1.0	1.0	1.0
18	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0
19	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0
20	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0

References: Multiple References; Refer To Text.

LAND QUALITY
MANAGEMENT - RECLAMATION
SOILS - TOPOGRAPHY

MAP: NEVADA QUAD. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0 603	0 603	0 603	0 603	0 603	0 603	0 603	2 603	0 603	2 603	0 603	0 603	2 603
2	0 603	0 603	0 603	0 603	0 603	2 603	2 603	2 603	0 603	0 603	2 603	2 603	0 603
3	0 603	0 603	0 603	0 603	0 603	2 603	2 603	2 648	2 648	0 603	0 603	0 603	0 603
4	0 603	0 605	0 603	0 603	2 603	2 603	2 603	0 603	0 646	0 646	0 603	0 603	0 648
5	0 603	0 605	0 603	0 603	2 603	3 646	2 603	0 648	2 646	0 648	0 648	2 648	0 648
6	0 603	0 605	2 605	0 605	0 603	0 603	0 603	2 648	2 648	3 646	3 646	4 646	0 648
7	0 603	0 605	0 605	2 605	0 605	0 648	3 646	3 646	2 648	0 648	0 648	4 646	0 648
8	0 605	0 605	0 605	2 605	2 605	2 605	2 605	2 648	0 648	0 648	0 648	4 646	0 648
9	0 605	2 605	2 605	4 605	2 605	2 605	0 605	0 648	0 648	0 648	0 648	0 648	4 646
10	3 605	3 605	3 605	4 605	3 605	2 605	0 648	0 648	0 648	0 648	2 648	4 648	2 648
11	2 605	3 605	2 605	3 605	0 605	0 648	2 648	2 648	4 646	0 648	2 648	4 646	0 648
12	2 605	3 605	3 605	0 605	4 646	0 648	3 646	2 648	4 646	0 648	0 648	4 648	2 500
13	4 605	3 605	2 605	3 646	4 646	2 648	2 648	3 648	4 648	2 648	0 648	2 648	0 648
14	4 605	2 605	0 605	2 646	2 648	2 648	2 648	3 648	4 648	2 648	0 648	3 648	0 500
15	4 605	0 605	3 646	3 646	2 648	2 648	2 648	2 648	0 648	4 648	3 648	0 648	2 500
16	2 605	2 646	2 648	2 648	2 648	2 648	2 648	0 648	4 648	4 648	0 500	2 500	2 500
17	0 605	2 648	2 648	2 648	0 648	0 648	0 648	0 648	4 648	4 648	0 500	2 500	2 500
18	0 605	2 646	2 648	2 648	2 648	0 648	0 648	0 648	4 648	4 648	0 500	2 500	0 500
19	0 605	2 648	0 648	0 648	2 648	0 601	0 601	0 601	2 648	4 648	0 500	2 500	2 648
20	0 605	2 648	0 648	2 648	3 646	3 601	2 601	0 601	2 648	4 648	0 648	2 500	2 648

References: Multiple References; Refer To Text.

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ARRAY 4

MAN-MADE LIMITATIONS

MAP: NEVADA QUAD. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

B-16

ARRAY 5

NATURAL LIMITATIONS

MAP: NEVADA QUAD. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	.94 596	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	.88 596	.94 596	1	.97 596	1	1	1	1
4	1	1	1	1	1	1	.97 596	1	1	1	.94 596	1	1
5	1	1	1	1	1	1	1	1	1	1	.97 596	1	1
6	1	1	1	1	.97 596	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	.97 596	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	.88 596	.88 596	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	.97 596	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	.94 596	1	1	1

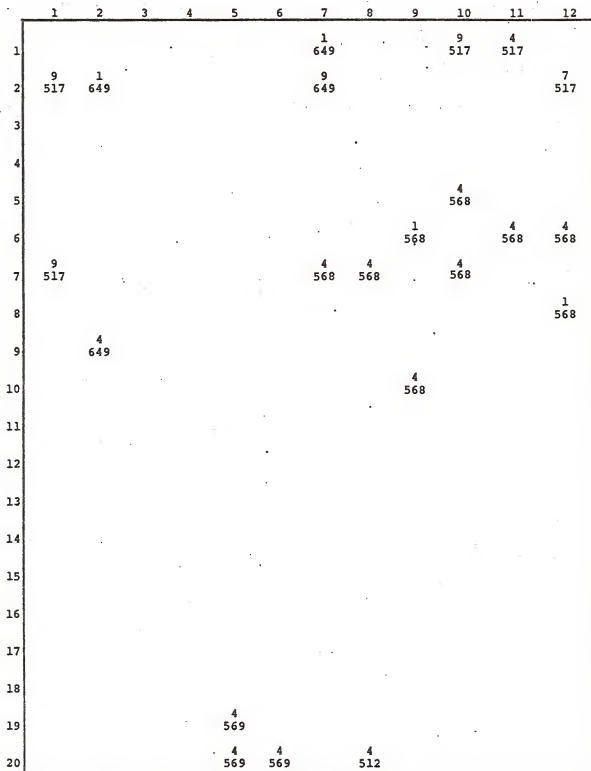
References: Multiple References; Refer To Text.

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ARRAY 6

WATER QUALITY

MAP: NEVADA QUAD. 4



Reference: Multiple References; Refer To Text.

B-16

ARRAY 7WATER AVAILABILITYMAP: NEVADA QUAD. 4

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	2	2	2	0	0	0	0	0	0	0	1	1	1
2	2	2	0	0	0	0	0	0	0	1	1	1	1
3	2	2	0	0	0	0	0	0	0	1	1	1	1
4	1	0	0	0	0	0	0	0	2	2	2	2	0
5	2	1	1	0	0	0	0	2	2	2	1	2	0
6	2	1	1	1	0	0	0	2	2	1	1	2	0
7	2	1	1	1	2	2	2	2	2	1	2	2	0
8	1	1	1	1	1	2	2	2	2	1	2	2	2
9	1	1	1	1	1	1	1	2	2	2	2	2	2
10	1	1	1	1	1	1	2	2	2	2	2	2	2
11	1	1	1	1	1	1	2	2	2	2	2	2	2
12	1	1	1	2	2	2	2	2	2	2	2	2	2
13	1	1	1	2	2	2	2	2	2	2	2	2	2
14	1	1	1	2	2	2	2	2	2	2	2	2	2
15	1	1	2	2	2	2	2	2	2	2	2	2	2
16	1	2	2	2	2	2	2	2	2	2	2	2	2
17	1	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	1	1	2	2
19	2	2	2	2	2	2	2	2	1	1	1	2	2
20	2	2	2	2	2	1	1	2	1	1	1	2	2

Reference: Multiple References; Refer To Text.

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ARRAY 1

LAND (AVAILABILITY) QUANTITY

MAP: NEVADA QUAD. 5

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	.33	.85	.25	0	0	.31	1.00	1.00	1.00	.78	.47	.53	.53
2	.19	.39	.39	0	0	.06	1.00	.97	.69	.47	.47	.47	.42
3	.53	.58	.47	0	0	.31	.72	.50	.50	.50	.50	.50	.03
4	.44	.69	.72	.11	0	.17	.53	.47	.47	.47	.47	.39	.34
5	.36	.92	.67	.33	0	0	.42	.47	.47	.50	.25	.33	.14
6	.53	.31	.67	0	.06	.28	.28	.44	.14	.50	.50	0	0
7	.14	.14	.50	.03	.03	.42	.17	.36	.28	.47	.47	0	0
8	.03	.22	.11	.44	.33	.28	.28	.08	.19	0	0	0	0
9	.03	0	.03	.08	.03	0	.42	.47	.17	0	0	0	0
10	0	0	.03	0	0	0	.33	.17	.19	.22	.06	.06	.47
11	0	0	.42	.22	.14	.14	.39	.11	.31	.53	0	0	.67
12	0	0	.14	.17	.47	.89	.89	.92	1.00	1.00	.78	.81	.89
13	0	.03	.17	.83	.97	.92	.89	.42	.50	.47	.33	.22	.33
14	0	.06	.28	.67	.33	.50	.89	.03	.28	.58	0	0	0
15	0	.03	.06	.53	.36	.61	.89	.22	.50	.89	.03	0	0
16	0	0	0	.28	.33	.28	.89	.36	.69	1.00	.33	.22	0
17	0	0	0	.06	.61	.42	.28	.61	.75	.97	1.00	.67	.58
18	0	0	0	0	.08	.14	.53	.19	.83	.75	1.00	1.00	.53
19	0	0	0	0	0	.08	.25	.03	.17	.78	.58	.03	.38
20	0	0	0	0	0	0	0	0	0	.64	.69	0	0
21	0	0	0	0	0	0	0	0	0	.92	.92	.28	.06
22	0	0	0	0	0	0	0	0	0	.47	.97	0	.48

Refere: Lutsey, I.A. et al, Land Status Of Nevada, 1972.

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ARRAY 2LAND QUALITY
GROWING SEASON - TOPOGRAPHYMAP: NEVADA QUAD. 5

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.5	1.5
2	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.5	1.5
3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.5	1.5
4	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.5	1.5	1.5
5	1.2	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5
6	1.2	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5
7	1.2	1.4	1.4	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5
8	1.2	1.4	1.3	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
9	1.2	1.3	1.3	1.2	1.2	1.2	1.5	1.7	1.5	1.5	1.5	1.5	1.5
10	1.2	1.3	1.3	1.2	1.2	1.3	1.7	1.7	1.7	1.5	1.5	1.5	1.5
11	1.2	1.3	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.5	1.5	1.5	1.5
12	0	1.2	1.2	1.3	1.3	1.3	1.7	1.7	1.7	1.5	1.5	1.5	1.5
13	0	1.3	1.3	1.3	1.3	1.7	1.7	1.3	1.5	1.5	1.5	1.5	1.5
14	0	1.3	1.3	1.3	1.3	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.5
15	0	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.5	1.5	1.5
16	0	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.5	1.5	1.5
17	0	0	1.3	1.3	1.2	1.2	1.2	1.3	1.3	0	1.7	1.7	1.7
18	0	0	0	1.3	1.3	1.3	1.2	1.3	1.3	0	0	1.7	1.7
19	0	0	0	0	1.3	1.3	1.2	1.2	0	0	0	1.7	1.7
20	0	0	0	0	0	1.3	1.2	1.2	0	0	0	1.5	1.5
21	0	0	0	0	0	0	0	0	0	0	0	1.5	1.5
22	0	0	0	0	0	0	0	0	0	0	0	0	1.5

References: Multiple References; Refer To Text.

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ARRAY 4MAN-MADE LIMITATIONSMAP: NEVADA QUAD. 5

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	0	0
2	1	1	1	1	1	1	1	1	1	1	1	0	0
3	1	1	1	1	1	1	1	1	1	1	1	0	0
4	1	1	1	1	1	1	1	1	1	1	1	0	0
5	1	1	1	1	1	1	1	1	1	1	1	1	0
6	1	0	1	1	1	1	1	1	1	1	1	1	1
7	1	0	0	0	1	1	1	1	1	1	1	1	1
8	1	0	0	0	1	1	1	1	1	1	1	1	1
9	1	1	1	1	0	1	1	1	1	1	1	1	1
10	1	1	1	1	0	0	0	1	1	1	1	1	1
11	1	1	1	0	0	0	0	1	1	1	1	1	1
12	1	1	0	0	0	0	1	1	1	1	1	1	1
13	1	1	0	0	0	1	1	1	1	1	1	1	1
14	1	0	0	0	0	1	0	1	1	1	1	1	1
15	1	1	1	1	1	0	0	1	1	1	1	1	1
16	1	1	1	1	1	0	0	1	1	1	1	1	1
17	1	1	1	1	0	0	0	1	1	1	1	1	1
18	1	1	1	1	1	0	0	1	1	1	1	1	1
19	1	1	1	1	1	0	0	0	1	1	1	1	1
20	1	1	1	1	1	0	0	0	0	1	1	1	1
21	1	1	1	1	1	1	0	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

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ARRAY 7

WATER AVAILABILITYMAP: NEVADA QUAD. 6

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	0	0	0	0	0	0	1	0	0	0	0	0
2	0	0	0	0	0	0	2	2	2	0	0	0	0
3	0	0	0	0	0	2	2	2	2	0	0	0	0
4	0	0	0	0	2	2	2	2	2	0	0	0	2
5	0	0	0	0	2	2	2	2	2	0	0	0	2
6	0	0	0	2	2	2	2	2	2	0	0	0	2
7	0	0	0	2	2	2	2	1	1	1	0	2	2
8	0	0	0	2	2	2	1	1	1	1	0	2	2
9	0	0	2	2	2	2	1	1	1	2	2	2	2
10	0	0	2	2	0	2	1	1	2	2	2	2	2
11	0	0	0	2	0	2	2	2	2	2	2	2	2
12	0	0	0	0	0	2	2	2	2	2	2	2	0
13	0	0	0	0	0	0	0	2	2	2	2	2	0
14	0	0	0	0	0	0	0	2	2	2	2	2	0
15	2	0	0	0	0	0	0	1	1	2	2	0	0
16	2	0	0	0	0	0	0	1	1	2	2	0	0
17	0	0	0	0	0	0	1	1	1	2	2	0	0
18	0	0	0	0	0	0	0	1	1	2	2	0	0
19	2	2	0	0	0	0	0	1	1	2	2	2	2
20	2	0	0	0	0	0	1	1	2	2	2	2	2
21	2	2	0	0	0	0	0	2	2	2	2	2	2
22	2	0	0	0	0	0	0	0	2	2	2	2	2

Reference: Multiple References; Refer To Text.

ARRAY 1LAND (AVAILABILITY) QUANTITYMAP: NEVADA QUAD. 7

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	.83	.78	.94	1.00	.78	.89	1.00	.97	.72	1.00	.83	.44	.64
2	.83	.94	.83	.97	.78	1.00	.97	.92	.83	.94	1.00	.75	.14
3	.83	.94	1.00	.89	.83	.97	.94	.94	.81	.94	.97	.89	.50
4	.72	.97	1.00	.78	.94	1.06	.94	.94	.69	.83	.89	.97	1.00
5	.81	.97	.78	.86	.86	.92	1.17	1.08	.81	.97	.58	.89	.86
6	.78	.81	.81	.97	1.00	.94	.97	.81	1.00	1.00	.33	.89	.92
7	.67	.44	.67	.94	.94	1.00	1.00	.83	1.00	.22	.94	.92	.97
8	.61	.53	.86	.97	1.00	.89	1.00	.78	.89	.39	.78	.89	1.00
9	0	.03	.92	.97	1.00	.94	.97	.83	.61	.56	.72	.83	1.00
10	0	.44	.75	1.17	.39	.33	.89	.61	.78	.94	.94	.86	1.00
11	.50	.69	.14	.83	.22	0	.72	.86	1.00	1.00	.97	1.00	1.00
12	.72	.58	0	.61	.33	0	.47	.50	1.00	.81	.97	1.00	1.00
13	.86	.36	0	.28	0	.47	.94	0	.56	.92	1.00	1.00	1.00
14	1.00	.31	0	.39	.72	0	.42	.94	1.00	1.00	1.00	1.00	.86
15	1.00	.03	.03	.97	.47	0	.92	1.00	1.00	1.00	1.00	1.00	.89
16	.89	0	.36	.72	.03	.50	1.00	.97	1.00	1.00	1.00	1.00	.56
17	.58	0	.67	.31	0	.56	.89	1.00	.97	1.00	1.00	1.00	.94
18	.25	0	.39	.11	0	.56	1.00	.94	.97	1.00	1.00	1.00	1.00
19	0	0	.78	.19	0	.83	1.00	.94	1.00	1.00	1.00	1.00	.94
20	.06	.58	.69	.03	.56	.92	.94	.97	1.00	1.00	1.00	.94	.75
21	.72	.75	.03	.14	1.00	1.00	.97	.97	1.00	1.00	1.00	.86	1.00
22	1.00	.67	0	.19	1.00	1.00	1.33	1.00	1.00	1.00	1.00	1.00	.89

Reference: Lutsey, I.A., et al, Land Status Of Nevada, 1972.

ARRAY 2LAND QUALITY
GROWING SEASON - TOPOGRAPHYMAP: NEVADA QUAD. 7

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2
2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2
3	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2
4	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2
5	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8	1.1	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10	1.3	1.3	1.3	1.0	1.0	1.0	1.0	0	0	1.0	1.0	1.0	1.0
11	1.3	1.3	1.3	1.0	1.0	0	0	0	1.0	1.0	1.0	1.0	1.0
12	1.3	1.3	1.3	1.0	1.0	1.0	0	0	1.0	1.0	1.0	1.0	1.0
13	1.3	1.3	1.0	1.0	1.0	0	0	1.0	1.0	1.0	1.0	1.6	1.6
14	1.3	1.3	1.0	1.0	1.0	1.0	0	1.0	1.0	1.0	1.6	1.6	1.6
15	1.3	1.3	1.0	1.0	1.0	0	0	1.0	1.0	1.0	1.6	1.6	1.6
16	1.3	1.3	1.0	1.0	1.0	0	0	1.7	1.0	1.6	1.6	1.6	1.6
17	1.3	1.3	1.0	1.0	0	0	0	1.7	1.7	1.6	1.6	1.6	1.6
18	1.3	1.3	1.0	1.0	0	0	0	1.7	1.7	1.6	1.6	1.6	1.6
19	1.3	1.5	1.0	1.0	1.5	0	1.7	1.7	1.7	1.6	1.6	1.6	1.6
20	1.5	1.5	1.0	1.5	1.5	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6
21	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6
22	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.6	1.6	1.6	1.6

References: Multiple References; Refer To Text.

LAND QUALITY
MANAGEMENT - RECLAMATION
SOILS - TOPOGRAPHY

MAP: NEVADA QUAD. 7

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	2 605	2 605	2 605	4 605	0 605	0 605	0 633	2 605	3 605	0 605	2 605	2 605	2 646
2	0 605	2 605	0 605	0 605	2 605	2 605	3 605	3 605	2 605	4 612	4 468	3 646	3 646
3	0 605	2 605	0 605	0 605	0 648	0 605	3 605	3 605	0 605	2 612	0 612	0 612	2 605
4	0 605	4 648	0 648	2 646	0 648	0 605	2 605	2 605	0 612	3 612	0 612	0 612	2 605
5	0 605	2 646	3 648	2 648	2 648	3 646	0 605	0 605	2 605	3 612	3 612	2 646	2 646
6	0 605	0 605	4 648	2 648	2 648	3 646	2 646	0 612	2 612	3 612	3 646	0 612	2 648
7	0 605	0 648	2 646	0 648	3 646	3 646	2 646	3 646	0 612	3 646	3 646	2 646	3 646
8	0 605	2 646	2 608	2 646	2 648	2 648	2 648	2 648	3 646	3 646	0 612	3 646	2 648
9	0 605	0 608	0 608	0 648	2 648	2 646	0 648	0 648	3 646	3 646	3 646	2 646	2 648
10	0 608	4 608	4 608	0 648	3 646	2 646	2 648	3 646	2 648	0 648	2 648	2 646	2 648
11	0 608	4 608	2 608	0 648	2 646	2 646	2 646	2 648	0 648	4 648	2 648	2 646	2 646
12	3 608	3 608	0 608	0 648	0 648	2 646	2 646	2 648	2 646	3 646	4 648	2 609	2 648
13	4 608	2 608	0 648	2 648	0 648	0 648	2 648	0 648	2 648	3 646	2 646	2 609	0 609
14	4 608	2 608	0 648	2 646	0 648	0 648	0 648	0 648	2 648	2 648	0 609	2 609	2 646
15	4 608	0 608	0 648	2 646	2 646	2 646	2 646	2 646	2 646	3 648	0 648	2 609	2 609
16	3 608	0 608	0 648	4 648	2 648	2 648	0 500	0 500	0 500	2 648	4 648	4 609	2 609
17	2 608	0 608	3 646	2 646	2 648	2 648	0 500	2 646	0 500	0 648	4 648	0 609	2 609
18	0 608	0 608	2 646	2 646	2 648	2 648	0 500	2 500	0 500	4 648	2 648	0 609	0 500
19	0 608	0 608	2 646	2 646	2 646	2 648	2 646	2 500	2 500	0 648	4 648	0 609	2 609
20	0 648	3 646	2 648	2 648	3 646	0 500	0 500	2 646	0 500	4 648	4 648	2 646	3 609
21	4 648	2 648	2 646	0 648	0 500	0 500	2 646	2 500	4 648	4 648	3 648	2 574	2 574
22	4 648	2 648	2 646	0 648	3 648	0 500	2 500	4 648	0 500	3 648	2 648	2 574	0 574

References: Multiple References; Refer To Text.

MAN-MADE LIMITATIONSMAP: NEVADA QUAD. 7

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	1	1	1	1	1	1	1	1	0	0	1	1
2	0	1	1	1	1	1	1	1	0	0	0	1	1
3	0	1	1	1	1	1	1	1	0	0	0	1	1
4	1	1	1	1	1	1	1	1	0	0	0	1	1
5	1	1	1	1	1	1	1	1	0	0	0	0	1
6	1	1	1	1	1	1	1	0	0	0	0	0	1
7	1	1	1	1	1	1	1	1	0	0	0	0	1
8	1	1	1	1	1	1	1	1	0	0	0	0	1
9	1	1	1	1	1	1	1	1	0	0	0	1	1
10	1	1	1	1	1	1	1	1	1	0	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

ARRAY 5

NATURAL LIMITATIONS

MAP: NEVADA QUAD. 7

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	.97 596	1	1	1	1	1	1	1	1
2	1	1	1	1	.97 596	1	1	1	.97 596	.97 596	1	1	1
3	1	1	1	1	1	.97 596	1	1	1	1	1	1	1
4	1	1	1	1	.97 596	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	.97 596	1	1	.94 596	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1
8	.97 596	1	1	1	1	1	1	.97 596	1	1	1	1	1
9	.83 596	1	1	1	1	1	1	1	1	.72 596	1	.97 596	1
10	.97 596	1	1	1	1	1	1	1	1	.83 596	.94 596	1	1
11	1	1	1	1	1	1	1	1	.97 596	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	.94 596	1	1	1	1	1	1	1	1
18	.97 596	1	1	1	1	1	1	1	1	1	1	1	1
19	1	.97 596	1	1	1	1	1	.97 596	1	1	1	1	1
20	1	1	1	1	1	.97 596	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	.94 596	.97 596	1	1	1	1	1	1

Reference: Multiple References; Refer To Text.

ARRAY 6

WATER QUALITY

MAP: NEVADA QUAD. 7

	1	2	3	4	5	6	7	8	9	10	11	12	13
1			4 560									4 501	4 501
2		4 560								4 506	4 506	4 501	
3										4 506	4 506	4 501	
4	4 560			4 560					4 506	4 506			
5			4 560						4 506	.75 506	1 506		
6			4 560	4 554	4 554				4 506	2 506	4 506		
7			4 560							4 506	4 506		
8									0 506	4 506			
9		1 507								4 506			
10		1 507		4 554			1 554	4 554					
11	4 507	1 507									4 561		
12	4 507	1 507		4 554			4 554			4 561			
13	0 507										4 561		
14				4 649			4 649						4 509
15	4 507		1 554									4 509	4 509
16	9 507												4 509
17			9 649	4 649	4 561								4 509
18	4 507				4 561							4 509	
19													4 509
20					4 561	4 561					4 561	0 509	
21	1 536					0 561					4 561	1 509	
22								4 561			1 509	4 509	1 509

Reference: Multiple References; Refer To Text.

WATER AVAILABILITYMAP: NEVADA QUAD. 7

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	1	2	2	2	1	1	1	1	1	1	1	1
2	0	1	2	2	1	1	1	1	1	0	0	1	1
3	1	1	2	2	2	1	1	1	1	0	0	1	1
4	1	1	2	2	2	1	1	1	1	0	0	1	1
5	1	1	2	2	2	2	1	1	0	0	0	2	2
6	2	1	2	2	2	2	2	2	0	0	0	2	2
7	2	2	2	2	2	2	2	2	0	0	0	2	2
8	2	0	2	2	2	2	2	2	2	0	0	2	2
9	0	0	0	2	2	2	2	2	2	0	0	2	2
10	0	0	0	2	2	2	2	2	2	2	2	2	2
11	0	0	0	2	2	2	2	2	2	2	2	2	2
12	0	0	0	2	2	2	2	2	2	2	2	2	2
13	0	0	2	2	2	2	2	2	2	2	2	2	2
14	0	0	2	2	2	2	2	2	2	2	2	2	2
15	0	0	2	2	2	2	2	2	2	2	2	2	2
16	0	0	2	2	2	2	2	2	0	0	0	2	2
17	0	2	2	2	2	2	2	2	2	0	0	2	2
18	0	0	2	2	2	2	2	2	2	0	0	2	2
19	0	1	2	2	0	2	2	2	2	0	2	2	2
20	1	1	2	0	0	2	2	2	0	0	2	2	2
21	1	1	1	0	0	2	2	2	0	0	2	2	2
22	1	1	1	0	0	0	2	2	2	0	2	2	2

Reference: Multiple References; Refer To Text.

B-20

ARRAY 1

LAND (AVAILABILITY) QUANTITY

MAP: NEVADA QUAD. 8

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0	.25	1.00	.97	.69	.89	.94	.83	1.00	1.00	.94	1.00	1.00	.61
2	.11	.28	1.00	1.00	.69	.92	.89	.56	.83	1.00	.94	1.00	1.00	.67
3	.50	.50	1.00	1.00	.92	.89	.89	.83	.81	1.00	.97	1.00	1.00	.67
4	1.00	.97	.94	.97	1.00	.81	.94	.83	.92	.94	.94	1.00	.83	.66
5	1.00	.94	1.00	.97	1.00	.97	.94	.97	.97	1.00	.97	1.00	0	0
6	.97	.97	1.00	1.00	1.00	.97	.92	.94	.94	.92	.94	1.00	.42	0
7	.97	1.00	1.00	1.00	1.00	.89	.92	.94	.44	.86	1.00	1.00	.83	.28
8	1.00	1.00	1.00	1.00	1.22	.89	.86	.67	.11	.89	1.00	.94	.86	.42
9	1.00	1.00	1.00	.97	1.00	1.00	.94	.92	0	.42	.50	.97	1.00	.83
10	1.00	1.00	1.00	1.00	.94	.92	.56	.94	.14	.31	.97	1.00	1.00	.83
11	.92	.92	1.00	1.00	.94	.89	.83	.47	.19	.19	.89	.94	1.00	.83
12	.11	.67	.64	1.00	1.00	.94	.72	.69	.06	.22	.61	.67	0	.39
13	.56	0	.33	1.00	.97	.47	.28	.44	0	.19	.72	.42	0	.17
14	.67	0	.08	1.00	1.00	.50	.17	.53	0	.47	.86	.78	.36	.61
15	.69	0	0	.75	1.00	.92	.67	.89	.11	.69	.75	.58	.50	.86
16	.83	0	0	.61	.89	.89	.89	1.00	.94	1.00	.67	.11	.08	.69
17	1.00	0	0	.61	.83	.64	.94	1.00	.94	.97	.67	.19	0	.47
18	.94	.44	0	.64	.89	.81	.89	.97	.97	1.00	.69	.31	0	.67
19	.86	.89	1.00	1.00	.67	.94	.89	.86	.97	.97	1.00	.64	.33	.56
20	.61	1.00	1.00	1.00	.94	.94	.92	.89	.75	.83	.94	1.00	1.00	1.00
21	1.00	1.00	1.00	1.00	1.00	.83	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
22	.22	1.00	1.00	.97	.97	.81	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Reference: Lutsey, I.A., et al, Land Status Of Nevada, 1972.

ARRAY 2

LAND QUALITY
GROWING SEASON - TOPOGRAPHY

MAP: NEVADA QUAD. 8

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	1.0	0	0	0	0	0	0	0	0	0	0
3	0	0	1.0	1.0	0	0	0	0	0	0	0	0	0	0
4	1.0	0	1.0	0	0	0	0	0	0	1.2	0	0	0	0
5	1.0	1.0	1.0	0	0	0	0	0	1.2	1.2	0	0	0	0
6	1.0	1.0	1.0	0	0	0	0	0	1.2	1.2	0	0	0	0
7	1.0	1.0	1.0	0	0	0	0	0	1.2	1.2	0	0	0	0
8	1.0	1.0	1.0	0	0	0	0	0	0	1.2	1.2	1.2	1.2	1.2
9	1.0	1.0	1.0	0	0	0	0	0	0	1.2	1.2	1.2	1.2	1.2
10	1.0	1.0	0	0	0	0	0	0	0	1.2	1.2	1.2	1.2	1.2
11	1.0	0	0	0	0	0	0	0	0	1.2	1.2	1.2	1.2	1.2
12	1.0	0	0	0	1.3	0	0	0	0	1.2	1.2	1.2	1.2	1.2
13	1.6	1.6	0	0	1.3	1.3	0	0	0	1.2	1.2	1.2	1.2	1.2
14	1.6	1.6	1.3	1.3	1.3	1.3	0	0	0	1.2	1.2	1.2	1.2	1.2
15	1.6	1.6	1.3	1.3	1.3	1.3	1.3	0	0	1.2	1.2	1.2	1.2	1.2
16	1.6	1.6	1.3	1.3	1.3	1.3	0	0	0	1.2	1.2	1.2	1.2	1.2
17	1.6	1.6	1.6	1.3	1.3	1.3	1.2	0	1.2	1.2	1.2	1.2	1.2	1.2
18	1.6	1.6	1.6	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
19	1.6	1.6	1.6	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
20	1.6	1.6	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
21	1.6	1.6	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
22	1.6	1.3	1.3	1.3	1.3	1.3	1.2	1.6	1.2	1.2	1.2	1.2	1.2	1.2

References: Multiple References; Refer To Text.

ARRAY 3

LAND QUALITY
MANAGEMENT - RECLAMATION
SOIL - TOPOGRAPHY

MAP: NEVADA QUAD. 8

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0 605	0 648	0 648	0 648	2 646	2 648	0 601	2 601	2 601	0 601	2 648	2 648	0 648	0 648
2	0 605	2 648	0 648	2 648	4 648	2 648	0 601	2 601	3 601	0 601	2 648	0 648	0 648	0 648
3	2 648	2 648	2 648	2 648	4 648	3 646	0 601	2 601	2 601	3 646	2 648	0 648	0 648	0 648
4	0 648	2 648	2 648	0 648	4 648	3 646	0 601	2 601	2 601	2 648	0 648	2 648	0 648	0 648
5	0 648	4 648	2 648	0 648	4 648	0 601	2 646	2 601	2 646	2 646	2 646	2 648	0 648	0 648
6	0 648	2 648	4 648	4 648	4 648	2 601	0 601	2 601	0 601	2 646	2 646	2 648	0 648	0 648
7	0 648	2 648	2 648	0 648	2 648	0 648	2 601	2 601	0 601	2 646	0 648	0 648	0 648	2 646
8	2 648	4 648	2 648	0 648	4 648	2 648	2 601	2 601	0 601	3 646	2 648	2 648	0 648	0 648
9	2 648	2 648	0 648	0 648	2 646	0 648	3 646	2 601	0 601	2 646	2 648	0 648	0 648	0 648
10	2 648	2 648	0 648	4 648	0 648	0 601	2 646	3 601	0 601	2 646	2 648	0 648	0 648	0 648
11	2 648	0 648	3 646	2 648	0 601	0 601	3 646	3 601	0 601	2 646	2 646	0 648	0 648	0 648
12	2 609	0 609	3 646	2 648	2 648	0 601	3 646	3 601	0 601	0 646	2 646	0 648	0 648	0 648
13	2 609	2 574	0 648	0 648	2 648	0 601	2 601	3 601	0 601	2 648	2 646	0 648	0 646	2 648
14	3 609	0 574	0 648	0 648	2 648	0 648	0 601	3 646	0 601	2 648	2 648	2 646	2 646	2 646
15	2 609	0 574	3 646	3 646	2 648	2 648	0 601	2 601	0 601	2 648	3 646	0 648	0 648	0 648
16	2 609	2 609	2 646	3 646	4 646	4 648	0 601	2 601	0 601	2 648	2 646	0 648	0 648	0 648
17	3 609	2 609	2 609	3 646	4 646	3 646	0 601	0 601	2 601	2 648	3 648	0 648	0 648	0 648
18	3 609	2 609	2 609	0 648	4 648	0 648	0 648	0 648	3 646	2 648	2 646	0 648	0 648	3 646
19	3 609	3 609	2 609	0 648	2 646	0 648	3 646	0 648	3 646	2 648	2 646	2 648	2 648	2 648
20	2 609	0 609	0 574	0 648	2 648	0 648	2 646	2 646	2 648	2 646	2 646	2 648	2 648	2 648
21	2 609	0 609	0 648	2 648	3 646	2 646	2 646	0 648	2 648	0 648	0 648	0 648	0 648	2 648
22	2 648	2 648	2 646	4 648	4 646	2 648	2 648	2 648	2 648	4 646	2 648	0 646	0 648	2 648

References: Multiple References; Refer To Text.

MAN-MADE LIMITATIONSMAP: NEVADA QUAD. 8

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

B-20 . ARRAY 5
NATURAL LIMITATIONS
MAP: NEVADA QUAD. 8

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	1	1	1	1	1	1	1	1	1	1	1	1	.94 596
2	1	1	1	1	1	1	1	1	1	1	.97 596	.97 596	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	.88 596	1	1	1	1	.88 596	.94 596	1	1	1	1	1	1	1
5	1	1	1	1	1	.94 596	1	1	.97 596	1	1	1	1	1
6	1	1	1	1	1	1	1	1	.88 596	1	1	1	1	1
7	1	1	1	1	1	.97 596	.58 819	.80 819	.88 596	1	1	.97 596	.94 596	1
8	1	1	1	1	1	.94 596	1	1	1	.94 596	1	1	1	1
9	1	1	1	1	1	1	1	1	1	.97 596	1	1	1	1
10	1	1	1	1	1	1	1	.88 596	1	1	1	1	1	1
11	.97 596	1	1	1	1	.97 596	1	.97 596	1	1	1	1	1	1
12	.67 596	.88 596	1	1	.77 596	.77 596	.94 596	.94 596	.97 596	1	1	1	1	1
13	.94 596	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	.88 596	1	.97 596	1	.94 596	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	.94 596	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	.88 596	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	.88 596	1	1
22	.97 596	1	1	1	1	1	1	1	1	1	1	1	1	1

Reference: Multiple References; Refer To Text.

WATER QUALITYMAP: NEVADA QUAD. 8

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1						4 569			4 512					
2						4 569								
3						4 569	4 512							
4					4 569									
5					4 569	4 512	4 512			4 556				
6					4 569	4 569								
7					4 569									
8				9 569				4 512	9 512					
9						4 569	1 512							
10										9 556	1 556			
11														
12							4 512		4 649	9 556	1 556			
13									4 512			4 556		
14	4 509					9 512	4 512			4 556				
15							4 512				4 556			1 649
16	4 509					4 512					9 556			
17		4 509	4 509						4 512		4 556			
18	4 509	1 509								4 548				4 557
19	0 509								9 548		9 556			4 557
20	4 509												4 557	
21	4 509													

Reference: Multiple References; Refer To Text.

B-20 ARRAY 7
WATER AVAILABILITY
MAP: NEVADA QUAD. 6

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
3	2	2	2	2	2	2	1	1	1	1	2	1	1	1
4	1	2	2	2	2	2	1	1	1	2	2	2	1	1
5	2	2	2	2	2	1	1	1	2	2	2	2	2	1
6	2	2	2	2	2	1	1	1	2	2	2	2	1	1
7	2	2	2	2	2	2	1	1	2	2	2	2	1	1
8	2	2	2	2	2	2	1	1	1	2	2	2	2	2
9	2	2	2	2	2	2	1	1	1	2	2	2	2	2
10	2	2	2	2	2	1	1	1	1	2	2	2	2	2
11	2	2	2	2	2	1	1	1	1	2	2	2	2	2
12	2	2	2	2	2	1	1	1	1	2	2	2	2	2
13	2	2	2	2	2	2	1	1	1	2	2	2	2	2
14	2	2	2	2	2	2	1	1	1	2	2	2	2	2
15	2	2	2	2	2	2	2	1	1	2	2	2	2	2
16	2	2	2	2	2	2	1	1	1	2	2	2	2	2
17	2	2	2	2	2	2	0	1	0	2	2	2	2	2
18	2	2	2	2	2	2	0	0	0	0	2	2	2	2
19	2	2	2	2	2	2	0	0	0	0	2	2	2	2
20	2	2	2	2	2	2	0	0	0	0	0	2	2	2
21	2	2	2	2	2	2	0	0	0	0	0	2	2	2
22	2	2	2	2	2	2	0	1	0	0	0	0	2	2

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Reference: Multiple References; Refer To Text.

B-21

ARRAY 1LAND (AVAILABILITY) QUANTITYMAP: NEVADA QUAD. 9

	1	2	3	4	5	6	7	8	9	10	11	12
1	0	0	0	.19	.61	0	.42	.61	.92	.89	.94	.72
2	0	0	0	0	.17	0	0	.31	1.00	.94	.94	.97
3	0	0	0	0	0	0	0	.31	1.00	1.00	.97	.97
4	0	0	0	0	0	0	0	.17	.58	.92	.94	1.00
5	0	0	0	0	0	0	0	0	.81	.19	1.00	1.00
6	0	0	0	0	0	0	0	0	0	0	.81	.64
7	0	0	0	0	0	0	0	0	0	0	.39	.72
8	0	0	0	0	0	0	0	0	0	0	.03	.33
9	0	0	0	0	0	0	0	0	0	0	0	.03
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0

Reference: Lutsey, I.A., et al, Land Status Of Nevada, 1972.

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13	14	15	16	17	18	19	20
1.00	1.33	1.00	1.00	1.00	.92	.92	1.00
1.00	1.33	1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.33	1.00	1.00	.83	1.00	.72	.97
1.00	1.25	1.00	1.00	1.00	1.00	.72	.97
1.00	1.33	1.00	1.00	1.00	1.00	1.00	1.00
.94	1.33	1.00	1.00	1.00	.97	1.00	1.00
.94	1.39	.97	1.00	1.00	1.00	.89	.89
.97	1.36	1.00	1.00	1.00	.92	.92	.72
.28	1.39	.97	1.00	1.00	1.00	1.00	1.00
.03	1.22	.97	1.00	.97	1.00	1.00	1.00
0	.14	.50	.78	.97	1.00	1.00	.97
0	0	0	1.00	1.00	1.00	1.00	1.00
0	0	0	.03	.61	1.00	.94	.94
0	0	0	0	0	.64	1.00	1.00
0	0	0	0	0	0	.78	1.00

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B-21
ARRAY 2

LAND QUALITY
GROWING SEASON - TOPOGRAPHY

MAP: NEVADA QUAD. 9

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.3
2	0	0	0	0	1.5	1.5	1.5	1.2	1.5	1.5	1.7	1.7	1.5	1.5
3	0	0	0	0	1.5	1.5	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5
4	0	0	0	0	0	0	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5	0	0	0	0	0	0	0	1.2	1.2	1.2	1.3	1.3	1.3	1.5
6	0	0	0	0	0	0	0	0	1.2	1.3	1.3	1.3	1.3	1.3
7	0	0	0	0	0	0	0	0	0	1.3	1.3	1.3	1.3	1.3
8	0	0	0	0	0	0	0	0	0	0	1.3	1.3	1.3	1.7
9	0	0	0	0	0	0	0	0	0	0	0	1.3	1.3	1.3
10	0	0	0	0	0	0	0	0	0	0	0	0	1.3	1.3
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0

References: Multiple References; Refer To Text.

15	16	17	18	19	20
1.3	1.5	1.5	1.5	1.5	1.5
1.3	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.7	1.5
1.5	1.5	1.5	1.7	1.7	1.5
1.5	1.5	1.7	1.7	1.7	1.7
1.7	1.7	1.7	1.7	1.7	1.7
1.7	1.7	1.7	1.7	1.7	1.7
1.7	1.7	1.7	1.7	1.7	1.7
1.3	1.3	1.7	1.7	1.7	1.7
1.3	1.3	1.7	1.7	1.7	1.7
0	1.7	1.7	1.7	1.8	1.8
0	0	1.7	1.7	1.8	1.8
0	0	0	1.7	1.7	1.6
0	0	0	1.7	1.7	1.6

LAND QUALITY
MANAGEMENT - RECLAMATION
SOIL - TOPOGRAPHY

MAP: NEVADA QUAD. 9

	1	2	3	4	5	6	7	8	9	10	11	12	13	
1	0	0	0	2 646	0 639	2 611	0 611	2 611	0 611	0 611	2 611	2 611	0 611	€
2	0	0	0	0	0 639	0 648	2 611	2 611	2 611	2 611	2 611	0 611	2 611	€
3	0	0	0	0	2 611	2 611	0 611	0 611	2 611	2 611	0 611	2 611	2 611	€
4	0	0	0	0	0	0	0 611	0 611	0 611	0 611	0 611	2 611	2 611	€
5	0	0	0	0	0	0	0	0 611	2 611	0 611	0 611	2 611	0 611	€
6	0	0	0	0	0	0	0	0	0 611	0 611	3 613	4 613	0 613	€
7	0	0	0	0	0	0	0	0	0	0	0 613	3 613	0 613	€
8	0	0	0	0	0	0	0	0	0	0	0 613	2 613	3 613	€
9	0	0	0	0	0	0	0	0	0	0	0 613	0 613	3 613	€
10	0	0	0	0	0	0	0	0	0	0	0 613	0 613	2 613	€
11	0	0	0	0	0	0	0	0	0	0	0	0	0	€
12	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	

References: Multiple References; Refer To Text.

15	16	17	18	19	20
2	0	2	2	2	2
611	648	648	648	648	648
0	0	2	2	2	0
611	611	648	648	648	648
0	0	0	4	4	0
611	611	648	648	648	648
0	0	0	4	2	2
648	611	648	648	648	648
2	0	0	4	2	4
648	648	648	648	648	648
0	2	2	2	2	4
613	648	648	648	648	648
0	2	0	0	0	0
613	646	648	648	648	648
2	2	0	0	0	0
648	648	648	648	648	648
0	2	0	2	2	2
613	648	648	648	648	648
0	0	0	2	2	2
613	648	613	648	648	648
0	0	2	2	2	0
613	613	648	648	648	648
0	2	2	0	0	2
648	648	648	648	648	648
0	2	0	2	2	2
0	648	648	648	648	648
0	0	0	0	2	2
0	0	648	648	648	648
0	0	0	0	2	2
0	0	0	648	648	648

ARRAY 4MAN-MADE LIMITATIONSMAP: NEVADA QUAD. 9

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

15	16	17	18	19	20
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1
1	1	1	1	1	1

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ARRAY 5

NATURAL LIMITATIONS

MAP: NEVADA QUAD. 9

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	0	0	0	1	.97 596	1	1	.97 596	.97 596	.88 596	.97 596	1	1
2	0	0	0	0	1	1	1	.97 596	1	.97 596	1	.88 596	.97 596
3	0	0	0	0	0	1	1	1	1	1	.97 596	.88 596	1
4	0	0	0	0	0	0	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	1	1	1	1	1	1
6	0	0	0	0	0	0	0	0	1	1	1	1	1
7	0	0	0	0	0	0	0	0	0	1	1	1	1
8	0	0	0	0	0	0	0	0	0	0	1	1	1
9	0	0	0	0	0	0	0	0	0	0	0	1	1
10	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0

Reference: Multiple References; Refer To Text.

15	16	17	18	19	20
1	1	1	.88 596	.88 596	1
1	1	1	1	1	1
1	1	1	1	.88 596	.94 596
1	.94 596	.97 596	.97 596	.83 596	.97 596
1	1	.97 596	1	.94 596	.97 596
.97 596	.94 596	.94 596	.94 596	1	.97 596
.88 596	.83 596	1	.83 596	.42 596	.72 596
.97 596	1	1	.88 596	.77 596	.77 596
.97 596	1	1	1	1	1
.97 596	.94 596	.94 596	1	.94 596	1
1	1	.97 596	.97 596	1	1
1	1	1	.94 596	.94 596	1
0	1	1	.94 596	.88 596	1
0	0	1	1	1	1
0	0	0	1	1	1

B-21
ARRAY 6

WATER QUALITY

MAP: NEVADA QUAD. 9

	1	2	3	4	5	6	7	8	9	10	11	12	13	1
1						9 510		4 524			4 510	0 510		4 51
2								4 510	.5 510	1 510				
3						4 510	1 510					0 510	0 510	
4								4 510					0 510	0 51
5								4 510		0 503				0 50
6									9 503	9 503	9 503	1 503		
7										9 503	4 503			
8											4 503			
9													4 503	
10														4 50
11														4 50
12														
13														
14														
15														

Reference: Multiple References; Refer To Text.

15	16	17	18	19	20
1 510					
1 510					
		4 507			
0 507	1 507				
0 507	.75 507		1 566	4 566	
		0 566	1 566		
	0 566	0 566		4 566	
	0 566		4 566		
				1 566	
		.5 566		1 566	
	4 503				
					1 566

B-21 ARRAY 7WATER AVAILABILITYMAP: NEVADA QUAD. 9

	1	2	3	4	5	6	7	8	9	10	11	12	13	1
1				0	0	0	2	2	0	0	1	1	1	0
2				0	0	0	2	1	0	0	1	1	0	0
3						0	1	1	0	0	0	0	0	0
4							1	0	0	0	0	0	0	0
5								1	1	2	2	2	2	2
6									1	2	2	2	2	2
7										2	2	2	2	2
8											2	2	2	2
9												2	2	2
10													2	2
11														
12														
13														
14														
15														

Reference: Multiple References; Refer To Text.

B-21

15	16	17	18	19	20
0	2	2	2	2	1
0	2	2	2	2	1
2	2	2	2	2	1
2	2	2	2	0	1
2	2	2	0	0	1
2	2	2	0	0	0
2	2	2	0	0	0
2	2	2	0	0	0
2	2	2	0	0	0
2	2	0	0	0	0
	0	0	0	0	0
		0	0	0	0
			0	0	0
				0	0

B-85

LAND (AVAILABILITY) QUANTITYMAP: NEVADA QUAD. 10

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	.97	.61	0	.19	1.22	1.00	.97	.94	.83	.83	.83	.81	.97
2	.89	.11	0	.53	.94	1.33	.94	.94	1.00	1.00	1.00	1.00	.69
3	.97	.28	.36	.83	.94	1.00	1.00	1.33	1.00	1.00	1.00	.08	0
4	.89	1.00	1.00	1.00	1.00	.94	.97	1.00	1.33	1.00	1.00	0	.22
5	1.00	1.00	1.00	1.00	1.00	.94	.97	1.00	1.33	1.00	1.00	1.00	1.00
6	0	0	0	0	0	0	0	1.00	1.33	1.00	1.00	1.00	1.00
7	0	0	0	0	0	0	0	0	1.33	1.00	1.00	1.00	1.00
8	0	0	0	0	0	0	0	0	0	0	.28	.89	1.00
9	0	0	0	0	0	0	0	0	0	0	.50	.83	1.00
10	.19	0	0	0	0	0	0	0	0	0	0	.67	1.00
11	0	0	0	0	0	0	0	0	0	0	0	0	.67
12	.25	0	0	0	0	0	0	0	0	0	0	0	.56
13	.81	.19	0	0	0	0	0	0	0	0	0	0	0
14	1.00	1.00	.39	.06	0	0	0	0	0	0	0	0	0
15	1.00	1.00	1.00	.78	.31	0	0	0	0	0	0	0	0
16	0	0	.94	.72	1.00	0	0	0	0	0	0	0	0
17	0	0	.81	.89	1.00	0	0	0	0	0	0	0	0
18	0	0	1.00	.94	1.00	1.00	0	0	0	0	0	0	0
19	0	0	.47	1.00	1.00	1.00	0	0	0	0	0	0	0
20	0	0	0	.61	1.00	.94	.83	.83	.42	.03	.14	0	0
21	0	0	0	0	.22	.42	.94	.97	.97	.89	.89	.89	.81

B-22 ARRAY 2
LAND QUALITY
GROWING SEASON - TOPOGRAPHY
MAP: NEVADA QUAD. 10

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.6	1.6	1.6	1.6
2	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.6	1.6	1.6	1.6	1.6
3	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.6	1.6	1.6	1.6	1.6
4	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.6	1.6	1.6	1.7	1.6
5	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.7
6	1.5	1.5	1.5	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.7	1.7	1.7
7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.7	1.7
8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.7	1.7	1.7	1.7
9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.7	1.7	1.7	1.7
10	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.7	1.7	1.7	1.7
11	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.5	1.5	1.7	1.7	1.7	1.7
12	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.5	1.7	1.7	1.7	1.7	1.7
13	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.5	1.7	1.7	1.7	1.7	1.7
14	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
15	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
16	0	0	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
17	0	0	2.0	1.7	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
18	0	0	2.0	2.0	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
19	0	0	2.0	2.0	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
20	0	0	0	2.0	2.0	2.0	2.0	2.0	1.7	1.7	1.7	1.7	1.7
21	0	0	0	0	2.0	2.0	2.0	2.0	2.0	1.7	1.7	1.7	1.7

References: Multiple References; Refer To Text.

ARRAY 3
B-22 LAND QUALITY
MANAGEMENT - RECLAMATION
SOILS - TOPOGRAPHY

MAP: NEVADA QUAD. 10

	1	2	3	4	5	6	7	8	9	10	11	12
1	4 648	4 648	0 648	0 648	4 648	0 648	4 648	4 648	4 648	0 609	0 574	0 574
2	2 648	0 648	0 648	2 648	4 648	2 648	0 500	2 500	0 500	0 609	2 609	3 646
3	4 648	0 648	2 648	2 648	2 648	4 648	0 500	2 500	0 609	2 609	0 609	0 609
4	2 648	4 648	2 648	2 648	4 648	3 646	0 500	2 609	0 609	2 609	0 609	0 609
5	2 648	4 648	4 648	4 648	4 648	0 648	0 500	0 609	0 609	2 609	0 609	0 609
6	2 648	0 648	2 648	2 648	4 648	2 648	0 609	2 609	2 609	2 609	0 609	2 609
7	0 648	2 648	0 648	2 648	4 648	2 648	0 609	2 609	2 609	2 609	0 609	2 630
8	2 648	4 648	0 648	2 648	2 648	2 648	0 500	0 648	0 609	2 609	3 609	3 646
9	2 648	2 648	2 648	0 648	0 648	4 648	2 648	2 648	2 609	3 609	2 630	0 630
10	2 648	0 648	0 648	0 648	2 648	2 648	4 648	4 648	0 609	0 609	0 648	0 648
11	2 648	0 648	0 648	0 648	2 648	2 648	0 648	2 648	0 648	0 648	0 648	2 648
12	2 648	2 648	0 648	0 648	0 648	0 648	0 648	0 648	0 648	0 648	0 648	2 648
13	2 648	2 648	0 648	0 648	0 648	0 648	0 648	0 648	0 648	0 648	0 648	2 648
14	2 648	2 648	2 648	0 648	0 648	0 648	0 648	0 648	0 648	4 648	0 648	0 648
15	2 648	2 648	2 648	3 646	0 648	0 648	0 648	0 648	0 648	4 648	0 648	2 648
16	0	0	3 646	2 500	0 500	0 648	0 648	0 648	2 648	4 648	0 648	0 648
17	0	0	2 646	2 500	0 500	0 648	2 648	2 648	0 648	2 648	2 648	0 648
18	0	0	2 648	2 500	0 500	0 648	2 648	2 648	0 648	2 648	2 648	0 648
19	0	0	2 648	2 500	2 500	2 648	2 648	0 648	0 500	0 500	0 648	0 648
20	0	0	0	2 648	2 648	2 648	2 648	2 648	0 500	2 500	0 648	0 648
21	0	0	0	0	3 646	3 646	2 648	2 648	2 648	0 500	0 648	0 648

References: Multiple References; Refer To Text.

B-22 ARRAY 4

MAN-MADE LIMITATIONS

MAP: NEVADA QUAD 10

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References, Refer To Text.

NATURAL LIMITATIONS

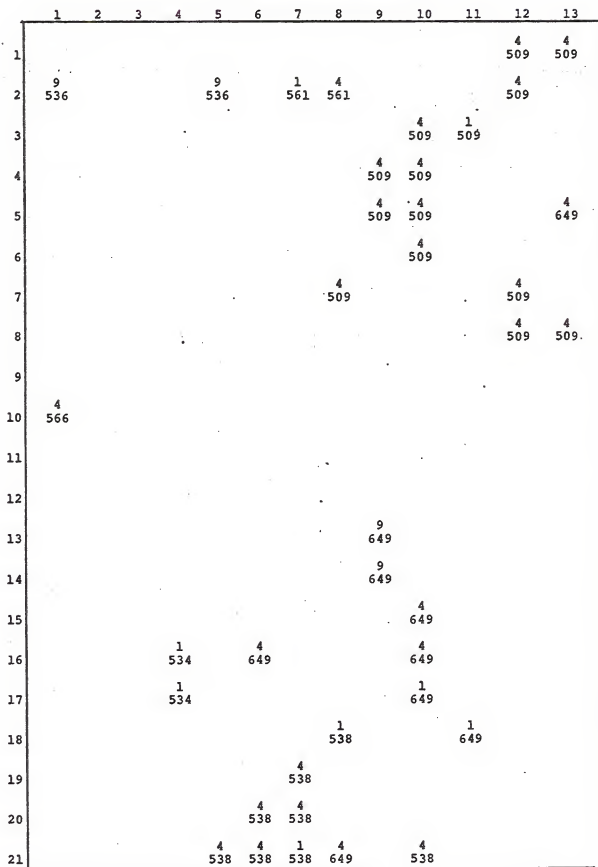
MAP: NEVADA QUAD. 10

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	.94 596
3	1	.94 596	1	.97 596	1	1	1	1	1	1	1	1	1
4	1	1	1	1	.94 596	1	1	1	1	1	1	1	1
5	1	1	1	1	1	.97 596	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1
7	.97 596	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	.97 596
9	1	1	.94 596	1	1	1	1	1	1	1	1	1	.88 596
10	1	.97 596	.97 596	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	.97 596	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	.97 596	.88 596	1	1	1	1	1	1	1	1	1
16	1	.97 596	.68 596	.94 596	1	1	1	1	1	1	1	1	1
17	1	.94 596	.75 596	.94 596	1	1	1	1	1	1	1	1	1
18	1	1	1	.94 596	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	.97 596	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1

Reference: Multiple References; Refer To Text.

WATER QUALITY

MAP: NEVADA QUAD. 10



Reference: Multiple References; Refer To Text.

B-22 ARRAY 7WATER AVAILABILITYMAP: NEVADA QUAD. 10

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	0	0	0	0	2	2	2	2	2	2	2
2	1	1	0	0	0	0	2	2	2	2	2	2	2
3	1	1	0	0	0	0	2	2	1	1	2	2	2
4	1	1	0	0	0	0	2	2	1	1	1	0	2
5	1	1	0	0	0	0	2	2	1	1	1	0	0
6	1	1	0	0	0	0	1	1	1	1	0	0	0
7	0	0	0	0	0	1	1	1	1	1	0	0	0
8	0	0	0	0	0	1	1	1	1	0	0	0	0
9	0	0	0	0	0	1	1	1	1	0	0	0	0
10	0	0	0	1	1	1	1	1	1	1	1	1	0
11	0	0	0	1	1	1	1	1	1	1	1	1	0
12	0	0	0	1	1	1	1	1	1	1	1	1	1
13	0	0	0	1	1	1	1	1	0	1	1	1	1
14	0	0	0	1	1	1	2	2	0	0	0	1	1
15	0	0	0	1	1	1	2	2	0	0	0	0	1
16	0	0	1	1	1	1	1	2	2	0	0	2	0
17	0	0	0	1	1	1	2	2	2	2	2	2	0
18		0	0	0	1	1	2	2	2	2	2	2	0
19			0	0	0	1	2	2	2	2	2	0	0
20				0	0	0	0	0	2	2	0	0	0
21					0	0	0	0	0	2	0	0	0

Reference: Multiple References; Refer To Text.

B-23 ARRAY 1
LAND (AVAILABILITY) QUANTITY
MAP: NEVADA QUAD. 11

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	.31	.03	1.00	.72	.97	1.00	1.00	1.00	.94	.97	.94	.83	.86	.94
2	0	.53	1.00	.97	.75	1.00	1.00	1.00	1.00	1.00	.97	.94	1.00	1.00
3	.33	.97	.97	1.00	1.00	1.00	1.00	1.00	.97	.94	1.00	1.00	1.00	.89
4	1.00	.92	.97	1.00	1.00	1.00	.97	1.00	1.00	1.00	.83	1.00	.97	1.17
5	1.00	.97	1.00	1.00	1.00	1.00	.89	1.00	1.00	.94	.61	.97	.58	1.17
6	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.97	.97	1.00	.83	.92	1.28
7	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.83	.78	.97	1.42
8	1.00	1.00	.97	.89	.97	1.00	1.00	1.00	1.00	1.00	.75	1.00	1.00	1.33
9	1.00	1.00	.97	.72	1.00	1.00	1.00	1.00	1.00	.83	.72	.94	.97	1.36
10	1.00	1.00	1.00	.72	1.00	1.00	1.00	.94	1.00	.94	1.00	1.00	.81	1.22
11	1.00	1.00	1.00	1.00	.78	1.00	1.00	.94	1.00	.97	1.00	1.00	1.00	1.50
12	1.00	1.00	1.00	.86	1.00	1.00	1.00	1.00	.97	.89	1.00	1.00	1.00	1.50
13	0	0	0	1.00	.72	.94	1.00	1.00	1.00	1.00	.94	1.00	1.00	1.50
14	0	0	0	0	0	.36	1.00	1.00	1.00	1.00	.75	1.00	1.00	1.50
15	0	0	0	0	0	.14	1.00	1.00	1.00	1.00	.89	1.00	1.00	1.50
16	0	0	0	0	0	.03	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.50
17	0	0	0	0	0	0	1.00	1.00	.89	1.00	1.00	1.00	1.00	1.50
18	0	0	0	0	0	0	1.00	1.00	.97	.94	1.00	1.00	1.00	1.22
19	0	0	0	0	0	0	1.00	1.00	.64	.83	1.00	.97	.83	1.50
20	0	0	0	0	0	0	1.00	1.00	1.00	.72	.67	.75	.72	1.50
21	0	0	0	0	0	0	1.00	1.00	1.00	.72	.56	.08	.75	1.50

Reference: Lutsey, I.A., et al, Land Status Of Nevada, 1972.

ARRAY 2
B-23 LAND QUALITY
GROWING SEASON - TOPOGRAPHY
MAP: NEVADA QUAD. 11

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1.6	1.6	1.3	1.3	1.3	1.5	1.2	1.6	1.6	1.2	1.2	1.2	1.0	1.2
2	1.6	1.6	1.6	1.3	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0
3	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0
4	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0
5	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.2	1.2
6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7	1.7	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5
8	1.7	1.7	1.8	1.8	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5
9	1.7	1.7	1.8	1.8	1.8	1.8	1.6	1.6	1.6	2.0	1.7	1.7	1.7	1.7
10	1.7	1.7	1.8	1.8	1.8	1.8	1.6	1.6	2.0	2.0	1.7	1.7	1.7	1.7
11	1.7	1.7	1.8	1.8	1.8	1.8	1.6	1.6	1.6	2.0	2.0	2.0	1.7	1.8
12	1.7	1.7	1.7	1.8	1.8	1.8	1.6	1.6	1.8	1.8	2.0	2.0	1.7	1.8
13	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.0	2.0	1.7	1.8
14	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	2.0	2.0	1.7	1.7	1.8
15	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	2.0	2.0	2.0	1.7	1.7	1.8
16	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	2.0	2.0	2.0	1.8	1.8	1.8
17	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	2.0	2.0	2.0	1.8	1.8	1.8
18	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	2.0	2.0	2.0	1.8	1.8	1.8
19	1.7	1.8	1.8	1.7	1.8	1.8	1.8	2.2	2.2	2.0	2.0	1.8	1.8	1.8
20	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.0	2.0	2.0	1.8	1.8	1.8
21	1.8	1.8	1.8	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	1.8	2.0	2.0

References: Multiple References; Refer To Text.

B-23 ARRAY 3

LAND QUALITY
MANAGEMENT - RECLAMATION
SOILS - TOPOGRAPHY

MAP: NEVADA QUAD. 11

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0 646	0 648	4 648	2 648	4 648	0 648	0 648	2 648	2 648	2 646	2 646	2 648	3 646	2 648
2	0 609	2 648	2 648	2 648	2 648	2 648	0 648	2 648	0 500	2 500	0 500	2 646	2 648	2 648
3	3 646	2 648	0 648	4 648	2 648	0 648	0 648	2 648	0 648	4 648	2 500	0 500	3 648	3 646
4	2 648	2 648	4 648	2 648	0 648	2 648	0 648	2 648	0 648	2 500	4 648	0 500	2 500	3 646
5	0 648	2 648	4 648	2 648	0 648	2 648	0 648	2 648	0 648	0 648	2 500	4 648	3 646	0 500
6	0 648	0 648	2 648	2 648	2 648	0 648	0 500	2 648	2 648	0 648	0 648	4 646	0 648	0 648
7	2 609	0 648	2 648	0 630	2 648	2 648	0 648	2 648	2 648	0 648	2 646	4 646	2 648	2 648
8	2 609	0 648	0 630	4 646	4 648	0 630	0 648	2 648	2 648	0 648	3 646	2 648	2 648	2 648
9	0 648	0 648	0 630	4 646	4 648	2 630	2 648	2 646	2 646	0 500	0 646	2 500	2 500	0 500
10	2 648	2 646	0 630	4 646	2 630	0 630	2 648	2 648	0 648	0 500	0 646	2 500	2 500	2 500
11	2 648	2 648	0 630	4 646	0 630	0 630	4 648	4 648	0 648	0 500	0 646	0 500	0 500	0 500
12	2 648	2 648	2 648	0 630	4 646	0 630	4 648	0 648	0 648	3 646	2 648	0 648	0 500	0 500
13	2 648	2 648	0 648	0 630	4 646	4 646	2 630	0 648	2 648	0 648	2 648	0 648	0 500	0 500
14	0 648	2 648	0 648	0 648	0 630	2 630	0 648	0 648	2 648	0 648	3 646	2 648	0 500	0 500
15	0 648	2 648	0 648	2 648	0 648	2 648	0 648	0 648	0 648	3 646	3 646	0 500	0 500	0 500
16	0 648	2 648	0 648	2 648	0 648	2 648	0 648	0 648	2 648	0 500	0 500	0 500	0 500	0 500
17	0 648	2 648	0 648	0 648	0 648	2 648	2 648	0 648	3 646	0 500	0 500	0 500	2 500	2 500
18	3 648	2 648	0 648	0 648	0 648	0 500	2 500	2 500	3 646	3 646	0 500	0 500	2 500	4 646
19	0 648	0 648	0 648	0 648	0 648	0 500	0 500	2 500	4 646	2 646	2 500	2 500	3 646	0 500
20	0 648	2 648	0 648	0 648	0 648	2 648	0 648	2 648	3 646	2 646	3 646	3 646	2 646	0 500
21	0 648	2 648	0 648	0 648	0 648	2 648	2 648	0 648	0 500	0 500	0 500	0 500	0 500	0 500

MAN-MADE LIMITATIONSMAP: NEVADA QUAD. 11

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	0	0	1	1	1	1	1	1
19	1	1	1	1	1	1	0	0	0	1	1	1	1	1
20	1	1	0	0	0	1	1	1	1	1	1	1	1	1
21	1	1	0	0	0	0	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

NATURAL LIMITATIONS

MAP: NEVADA QUAD. 11

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	.97 596	.92 596	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	.77 819	.56 819	1	1	.88 819
6	1	1	1	1	1	1	1	1	1	.94 819	1	1	1	.97 819
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	.92 596	1	1	1	1	1	1	1	1	1	1	1
9	1	1	.94 596	1	1	1	1	1	1	1	.97 596	1	1	1
10	1	1	1	1	1	1	1	.94 596	1	1	1	1	1	1
11	1	1	1	1	1	1	1	.94 596	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	.97 596	1	.97 596	1	1	1	.97 596

Reference; Multiple References; Refer To Text.

B-23

ARRAY 6WATER QUALITYMAP: NEVADA QUAD. 11

	1	2	3	4	5	6	7	8	9	10	11	12	13
1													
2													
3										4 551			9 551
4													4 551
5													1 551
6												4 551	1 551
7											1 551	1 551	
8											4 551		
9			1 545							4 551	4 551		
10			4 545										
11													
12				1 545							1 551		
13				0 545									1 571
14													4 571
15													1 571
16													
17									1 551				
18										.5 649			
19							1 448	1 649	1 551				0 571
20											.75 148		
21											1 649	.75 649	

Reference: Multiple References; Refer To Text.

B-23 ARRAY 7

WATER AVAILABILITY

MAP: NEVADA QUAD. 11

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2	2	2	2	2	2	1	1	1	1	1	0	0	2
2	2	2	2	2	2	2	1	1	1	2	2	2	0	0
3	2	2	2	2	2	2	1	1	1	2	2	2	0	0
4	2	2	2	2	2	2	1	1	1	2	2	2	2	0
5	2	2	2	2	2	2	1	1	1	2	2	2	0	0
6	2	2	2	2	2	2	1	1	1	1	0	0	0	0
7	2	2	2	2	2	2	1	1	1	1	0	0	0	0
8	2	0	2	2	2	2	1	1	1	0	0	0	0	0
9	0	0	2	2	2	2	1	1	1	0	0	0	0	0
10	0	0	2	2	2	1	1	1	1	0	0	0	0	0
11	0	0	0	2	2	2	1	1	1	0	0	0	0	1
12	0	0	0	2	2	2	1	1	1	1	0	0	0	1
13	0	0	0	2	2	2	2	1	1	0	0	0	0	1
14	0	0	0	2	2	0	0	1	1	0	0	0	0	1
15	0	0	0	0	0	0	1	0	0	0	0	0	1	1
16	0	0	0	0	0	0	0	0	0	0	0	1	1	1
17	0	0	0	0	0	0	0	0	0	0	0	1	1	1
18	0	0	0	0	0	0	0	0	0	0	2	2	1	1
19	0	1	1	0	0	0	0	0	0	0	2	1	1	1
20	1	1	0	0	0	0	0	2	2	2	2	1	1	1
21	1	1	0	0	0	0	0	0	2	2	2	1	0	0

Reference: Multiple References; Refer To Text.

LAND (AVAILABILITY) QUANTITY

MAP: NEVADA QUAD. 12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	.61	.47	.94	.92	.97	1.00	.94	.97	1.00	.69	.17	0	0	0
2	0	.56	.72	.97	.58	1.00	.69	.56	.97	1.00	.97	.36	0	0
3	0	.08	.83	.94	.08	1.00	.81	0	.64	1.00	.78	.19	.47	.3
4	0	0	.03	.39	0	.83	1.00	.72	.72	.97	.31	.19	0	.1
5	0	0	0	.03	.50	.44	.89	1.00	1.00	.94	.47	.11	0	.1
6	0	0	0	0	0	.64	1.00	1.00	.97	.89	.97	.53	.36	.3
7	0	0	0	0	0	.03	.61	1.00	.94	.97	1.00	.97	.83	1.0
8	0	0	0	0	0	0	0	.42	.89	.97	.97	1.00	.78	1.0
9	0	0	0	0	0	0	0	0	.39	1.00	.92	.61	.83	1.0
10	0	0	0	0	0	0	0	0	0	.58	.97	1.00	1.00	1.0
11	0	0	0	0	0	0	0	0	0	0	.56	1.00	1.00	1.0
12	0	0	0	0	0	0	0	0	0	0	0	.58	.97	.5
13	0	0	0	0	0	0	0	0	0	0	0	0	.42	1.0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	.4
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Reference: Lutsey, I.A., et al, Land Status Of Nevada, 1972.

15	16	17	18	19	20	21	22	23
1.00	1.00	1.00	.58	.25	0	.44	1.00	.67
.94	.97	1.00	.94	.58	0	.78	1.00	.67
.78	1.00	1.00	.97	.33	0	1.00	1.00	.53
.78	.81	.42	0	0	0	.83	.67	0
.44	0	0	0	0	0	0	0	0
.44	0	0	0	0	0	0	0	0
.81	.19	0	0	0	0	0	0	0
1.00	.83	0	0	0	0	0	0	0
1.00	1.00	0	0	0	0	0	0	0
1.00	.92	0	0	0	0	0	0	0
1.00	1.00	0	0	0	0	0	0	0
.92	.97	0	0	0	0	0	0	0
.97	1.00	0	0	0	0	0	0	0
.89	.97	.50	0	0	0	0	0	0
.28	.97	.50	0	0	0	0	0	0
0	.33	.97	0	0	0	0	0	0
0	0	.25	0	0	0	0	0	0

ARRAY 2LAND QUALITY
GROWING SEASON - TOPOGRAPHYMAP: NEVADA QUAD. 12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2.0	2.0	2.0	2.0	2.0	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	2.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
3	0	0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
4	0	0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.8
5	0	0	0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.8
6	0	0	0	0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.8
7	0	0	0	0	0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8
8	0	0	0	0	0	0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
9	0	0	0	0	0	0	0	2.0	2.0	2.0	2.0	2.0	2.5	2.5
10	0	0	0	0	0	0	0	0	2.0	2.0	2.0	2.0	2.5	2.5
11	0	0	0	0	0	0	0	0	0	2.0	2.0	2.0	2.5	2.5
12	0	0	0	0	0	0	0	0	0	0	2.0	2.0	2.0	2.5
13	0	0	0	0	0	0	0	0	0	0	0	2.0	2.5	2.5
14	0	0	0	0	0	0	0	0	0	0	0	0	2.5	2.5
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0

References: Multiple References; Refer To Text.

15	16	17	18	19	20	21	22	23
2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1.8	2.0	2.0	0	0	0	2.0	2.0	0
2.5	2.5	2.0	0	0	0	0	0	0
2.5	2.5	2.0	0	0	0	0	0	0
2.5	2.5	2.0	2.0	0	0	0	0	0
2.5	2.0	2.0	2.0	0	0	0	0	0
2.5	2.0	2.0	2.0	0	0	0	0	0
2.5	2.0	2.0	2.0	0	0	0	0	0
2.5	2.0	2.0	2.0	0	0	0	0	0
2.5	2.5	2.0	2.0	0	0	0	0	0
2.5	2.5	2.0	2.0	0	0	0	0	0
2.5	2.5	2.0	2.0	0	0	0	0	0
0	2.0	2.0	2.0	0	0	0	0	0

ARRAY 3

LAND QUALITY
MANAGEMENT - RECLAMATION
SOILS - TOPOGRAPHY

MAP: NEVADA QUAD. 12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	3 646	4 646	2 646	0 648	0 500	0 648	2 646	2 646	0 648	0 648	0 648	0 648	0 648	0 648
2	2 648	4 646	0 648	2 648	2 648	0 648	0 648	0 648	0 648	0 648	0 648	2 648	0 648	0 648
3	0	0	0 648	4 646	4 646	0 648	0 648	0 648	0 648	0 648	0 648	3 646	2 648	2 648
4	0	0	2 648	4 646	4 646	3 646	0 648	0 648	0 648	2 648	2 648	2 648	2 648	2 648
5	0	0	0	2 648	4 646	3 646	0 646	0 648	0 646	0 648	2 648	2 648	2 648	4 648
6	0	0	0	0	3 646	2 648	0 646	0 648	0 648	0 648	3 646	3 645	4 648	3 648
7	0	0	0	0	0	0 648	0 648	2 648	0 648	0 648	0 648	0 648	0 648	0 648
8	0	0	0	0	0	0	2 648	4 648	0 648	0 648	2 648	4 648	4 648	2 648
9	0	0	0	0	0	0	2 648	4 648	0 648	0 648	2 648	4 648	2 648	2 648
10	0	0	0	0	0	0	0	0 648	2 648	2 648	2 648	0 648	0 648	0 648
11	0	0	0	0	0	0	0	0	0	2 648	2 648	0 648	0 648	0 648
12	0	0	0	0	0	0	0	0	0	0	0 648	0 648	0 648	2 648
13	0	0	0	0	0	0	0	0	0	0	0	0 648	2 648	2 648
14	0	0	0	0	0	0	0	0	0	0	0	0	2 648	2 648
15	0	0	0	0	0	0	0	0	0	0	0	0	0	2 648
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0

References: Multiple References; Refer To Text.

B-24

15	16	17	18	19	20	21	22	23
2	2	2	0	0	0	0	0	0
648	648	648	500	648	500	500	500	500
0	0	0	0	0	0	0	0	0
648	500	648	500	500	500	500	500	500
2	0	0	0	0	0	0	0	0
500	500	500	500	500	500	500	500	500
2	0	0	0	3	0	0	0	0
500	500	500	500	645	500	500	500	500
2	0	0	0	3	0	0	0	0
500	500	500	500	645	500	500	500	500
0	0	0				0	0	
648	500	500	0	0	0	500	500	0
2	2	4						
648	648	648	0	0	0	0	0	0
4	2	0						
648	648	500	0	0	0	0	0	0
2	2	0	0					
648	648	500	500	0	0	0	0	0
2	0	0	0					
648	500	500	500	0	0	0	0	0
0	0	0	0					
648	500	500	500	0	0	0	0	0
0	0	0	0					
648	500	500	500	0	0	0	0	0
2	0	0	0					
648	500	500	500	0	0	0	0	0
4	2	0	0					
648	648	500	500	0	0	0	0	0
4	2	0	0					
648	648	500	500	0	0	0	0	0
4	0	0	0					
648	648	500	500	0	0	0	0	0
0	0	0	4					
0	648	500	648	0	0	0	0	0

B-105

ARRAY 4MAN-MADE LIMITATIONSMAP: NEVADA QUAD. 12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	1	1	1	0	0	1	1	1	0	0	0	0	1
2	1	1	1	1	0	0	0	0	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	1	0	0	0	0	0	0	0	0	0
7	1	1	1	1	1	1	0	1	1	1	0	0	0	0
8	1	1	1	1	1	1	1	1	1	1	0	1	1	0
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1

References: Multiple References; Refer To Text.

B-24

15	16	17	18	19	20	21	22	23
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1
0	0	1	1	1	1	1	1	1
0	0	1	1	1	1	1	1	1
0	0	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1

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ARRAY 5

NATURAL LIMITATIONS

MAP: NEVADA QUAD. 12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	1	1	1	.92 596	1	1	1	1	1	1	1	1	1
2	0	1	1	1	1	1	1	1	1	1	1	1	1	1
3	0	0	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	1	1	1	1	1	1	.94 596	1	1	1
6	0	0	0	0	0	1	1	1	1	.97 596	1	1	1	1
7	0	0	0	0	0	0	1	1	.94 596	1	1	1	1	1
8	0	0	0	0	0	0	0	.94 596	.75 596	.78 596	1	1	1	1
9	0	0	0	0	0	0	0	0	.88 596	.67 596	1	1	1	1
10	0	0	0	0	0	0	0	0	0	.94 596	1	1	1	1
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1
12	0	0	0	0	0	0	0	0	0	0	0	.97 596	.78 596	1
13	0	0	0	0	0	0	0	0	0	0	0	0	.94 596	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	.94 596
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Reference: Multiple References; Refer To Text.

15	16	17	18	19	20	21	22	23
1	1	1	1	1	1	.94 596	1	1
1	1	1	.94 596	.94 596	1	.94 596	1	1
1	1	1	1	1	1	.97 596	1	1
.94 596	1	.94 596	1	1	1	1	1	1
.94 596	1	1	1	1	1	1	1	1
1	.97 596	1	1	1	1	1	1	1
.97 596	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	.94 596	1	1	1	1	1	1	1
1	.66 596	.94 596	1	1	1	1	1	1
1	.94 596	1	1	1	1	1	1	1
.75 596	.86 596	1	1	1	1	1	1	1
.97 596	1	1	1	1	1	1	1	1
1	1	.94 596	1	1	1	1	1	1
1	1	1	.97 596	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1

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ARRAY 6WATER QUALITYMAP: NEVADA QUAD. 12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	4 538	1 538	4 538	4 538										
2		1 538	4 538								4 649	4 649		
3												4 649		4 649
4												4 649	1 649	0 649
5												0 649	1 649	0 649
6						0 649					1 649		0 649	0 649
7													0 649	
8										4 567				
9										1 567				
10														
11											0 567			
12														4 559
13														
14														
15														
16														
17														

Reference: Multiple References; Refer To Text.

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15	16	17	18	19	20	21	22	23
					1 649	1 649		
				.75 570	1 649			
					1 649			
	0 649	1 649	1 649		1 649			
0 649	0 649	1 649	1 649			1 649	1 649	
0 649	0 649	1 649					1 649	
	.75 649							
0 559			1 649					
	1 559							
4 559								
		1 559						
			0 649					

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ARRAY 7WATER AVAILABILITYMAP: NEVADA QUAD. 12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0	0	0	0	0	0	0	1	1	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0
3			0	0	0	0	0	0	0	0	0	0	0	0
4				0	0	0	0	0	0	0	0	0	0	0
5					0	0	0	0	0	0	0	0	0	0
6						0	0	0	0	0	0	0	0	0
7							0	1	1	0	0	0	0	0
8								1	1	0	0	0	0	0
9									1	1	0	0	0	0
10										1	0	0	0	0
11											0	0	0	0
12												0	0	0
13													0	0
14														0
15														
16														
17														

Reference: Multiple References; Refer To Text.

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15	16	17	18	19	20	21	22	23
0	0	2	2	2	2	0	0	0
0	2	2	2	2	2	0	0	0
0	2	2	2	2	1	0	0	0
2	2	2	2	2	0	0	0	0
0	2	2	2	2	0	0	0	
0	2	2				0	0	
0	0	0						
0	0	0						
0	0	0						
0	0	0						
0	0	0						
0	0	0	0					
0	0	0	0					
0	0	0	0					
	0	0	0					
		0	0					

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APPENDIX C

ECONOMIC DATA REFERENCES

FARM VALUE PER ACRE: UNITED STATES FOR SELECTED CROPS, 1974

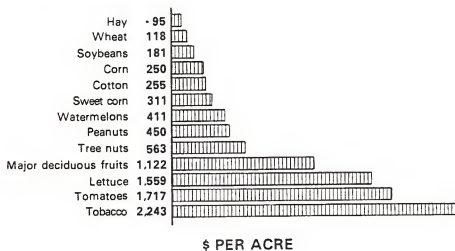




TABLE C-1
ECONOMIC TABLE REFERENCE USER GUIDE

<u>TABLE NO.</u>	<u>COMPUTED VARIABLE</u>	<u>BASED UPON APPENDIX TABLE REFERENCES</u>
C-2	Average Acres Per Quadrant (Quad)	C-3A; C-3B; C-4A; C-4B; C-5
C-3A	Ave. Acres Per Quad; Production Cycle 1	C-6; C-7; C-10
C-3B	<u>Ibid.</u>	
C-4A	Ave. Acres Per Quad; Production Cycle 2	C-6; C-8; C-10
C-4B	<u>Ibid.</u>	
C-5	Ave. Acres Per Quad; Production Cycle 3	C-6; C-9; C-10
C-6	Ave. Annual Fixed Costs And Desired Income	C-11; C-14
C-7	Ave. Annual PY Return; Production Cycle 1	C-28; C-32
C-8	Ave. Annual PY Return; Production Cycle 2	C-28; C-32
C-9	Ave. Annual PY Return; Production Cycle 3	C-28; C-32
C-10	Ave. Annual Variable Costs Per Quad	C-25; C-27; C-39; C-40; C-41
C-11	Average Annual Fixed Cost Estimates	C-12; C-13
C-12	Well Profile Specifications/ Costs	--
C-13	Machinery Profile Assumptions/Costs	--
C-14	Desired Income Calculation	C-15
C-15	Income Determination Basis	--

TABLE C-1
(Continued)

<u>TABLE NO.</u>	<u>COMPUTED VARIABLE</u>	<u>BASED UPON APPENDIX TABLE REFERENCES</u>
C-16	Variable Cost Assumption Relationships	--
C-17	Variable Costs: Grain Yr 1	C-22; C-23; C-24
C-18	Variable Costs: Grain Yr n	C-22; C-23; C-24
C-19	Variable Costs: Alfalfa Est.	C-22; C-23; C-24
C-20	Variable Costs: Alfalfa Hay Production Cycle	C-22; C-23; C-24
C-21	Variable Costs: Alfalfa Seed Production Cycle	C-22; C-23; C-24
C-22	Analysis Cost Ratios	--
C-23	Cost Indexes	--
C-24	Custom Rate Costs Used	--
C-25	Land Value Costs	C-26
C-26	Land Value Cost Basis	--
C-27	Variable Irrigation Costs	--
C-28	Yield Estimates	C-29; C-30; C-31
C-29	Yield Projections	--
C-30	Yield Projections	--
C-31	Yield Estimates	--
C-32	Prices Received Estimates	C-33
C-33	Prices Received Trends	C-34; C-35; C-36; C-37; C-38
C-34	Wheat Prices	--

TABLE C-1
(Continued)

<u>TABLE NO.</u>	<u>COMPUTED VARIABLE</u>	<u>BASED UPON APPENDIX TABLE REFERENCES</u>
C-35	Barley Prices	--
C-36	Alfalfa Hay Prices	--
C-37	Alfalfa Seed Prices	--
C-38	Potato Prices	--
C-39	Operation Variable Costs (Prod. Profile 1)	C-17 to C-21
C-40	Operation Variable Costs (Prod. Profile 2)	C-17 to C-21
C-41	Operation Variable Costs (Prod. Profile 3)	C-17 to C-21
C-42	Sample Agricultural Statistical Data For Alfalfa Seed	--

TABLE TERMS DEFINITIONS

1. Production Cycles: 3 production cycles referenced: (1) Barley (3 years) followed by Alfalfa hay; (2) Barley (3 years) followed by Alfalfa seed; and (3) Barley (3 years) followed by Potatoes (north study quadrants) and/or Alfalfa/grains multiple crop rotation mix. Complete production cycle assumed to consist of 10 year period for purpose of analysis.
2. Machinery Profiles: 3 machinery profiles designated; they are defined in Table C-13. Table C-16 describes profile relationships for agricultural operations.
3. Water Development Profiles: 2 water development profiles designated as described in Table C-12.
4. Regional Quadrants: Those regional quadrants (quads) used for variable cost data development consisting of Quad I (study quadrants 2, 3, 4, 7 and 8), Quad II (study quadrants 1, 5, 6, 9, 10 and 11) and Quad III (study quadrant 12, Clark County).

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-2
AGRICULTURAL ACRES DETERMINATION SUMMARY

		<u>WATER DEVELOPMENT PROFILE</u>					
		<u>100-300 FOOT LIFT</u>			<u>400-600 FOOT LIFT</u>		
		<u>ABS.</u>	<u>PREF.</u>	<u>DES.</u>	<u>ABS.</u>	<u>PREF.</u>	<u>DES.</u>
		<u>AVE.</u>	<u>AVE.</u>	<u>AVE.</u>	<u>AVE.</u>	<u>AVE.</u>	<u>AVE.</u>
		<u>MIN.</u>	<u>MIN.</u>	<u>MIN.</u>	<u>MIN.</u>	<u>MIN.</u>	<u>MIN.</u>
<u>STUDY</u>	<u>QUADRANT</u>	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>
1		360	665	915	470	1,050	1,070
2		250	500	915	300	665	1,200
3		865	1,930	NPS(4)	1,320	3,700	NPS(4)
4		2,145	NPS(4)	NPS(4)	NPS(4)	NPS(4)	NPS(4)
5		840	1,100	5,500	1,530	2,075	NPS(4)
6		760	885	NPS(4)	1,090	1,725	NPS(4)
7		870	915	NPS(4)	1,330	1,465	NPS(4)
8		955	1,100	NPS(4)	1,530	2,800	NPS(4)
9		820	1,910	NPS(4)	1,135	2,500	NPS(4)
10		820	1,235	2,950	1,135	2,320	NPS(4)
11		815	1,225	2,935	1,265	2,535	NPS(4)
12		500	700	1,305	640	1,100	2,930
State Averages		833	1,014	2,420(5)	1,068	1,994	NPS(4)

Comments:

- (1) ABS.AVE.MIN. is the absolute average minimum number of acres required for production to meet the desired income requirements. This number of acres assumes:
 - (a) Intensive agricultural development of all acres using recommended crop production and fertilizer practices,
 - (b) Average to good market years in all years of production
 - (c) Selection of crop during production cycle that will of maximum returns within market opportunities available.
- (2) PREF.AVE.MIN. is the preferred average minimum number of a that is required to obtain the desired income for a family four. This value has been computed as a weighted average based upon the acreages specified for the multiple product profiles, machinery and water development profiles shown i Tables C-3A, C-3B, C-4A, C-4B and C-5.
- (3) DES.AVE.MIN. is the desired average minimum number of acre that is required for development to meet the desired income. This value is a weighted average based upon the tables specified in Comment (2) and takes into consideration an escalable variable cost of production (refer to Table C-3B).
- (4) NPS represents no practical solution. The computed acres required for production to meet the desired income requirement consist of many thousands of acres and represents a non-practical solution.
- (5) Based upon 6 study quadrants as shown in the Table; does not take "NPS" into consideration.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-3(A)

AVERAGE ACRES DETERMINATION FOR GRAIN TO ALFALFA HAY
PRODUCTION CYCLE

STUDY QUADRANT	ACRES COMPUTED PER PROFILE MACHINERY & WATER DEVELOPMENT PROFILE (1)					
	1,1	1,2	2,1	2,2	3,1	3,2
1	1,073	1,837	868	1,668	1,182	2,060
2	729	1,012	565	837	801	1,127
3	2,939	77,467	2,857	NS	3,303	361,776
4	11,181	NS	NS	NS	13,789	NS
5	708	1,531	763	1,346	1,051	1,712
6	1,225	2,295	1,006	2,192	1,350	2,585
7	1,123	1,875	903	1,679	1,238	2,106
8	1,666	8,742	1,413	4,276	1,848	4,431
9	848	868	669	1,100	931	1,432
10	848	1,283	669	1,100	931	1,432
11	844	1,276	666	1,093	927	1,423
12	520	650	404	534	570	723

Comments:

- (1) Listed by Machinery Profile, Water Development Profile (MP, WP);
Refer To Table C-3B.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-3(B)

AVERAGE ACRES DETERMINATION FOR GRAIN TO ALFALFA HAY
PRODUCTION CYCLE (1)

STUDY QUADRANT	ACRES COMPUTED PER PROFILE MACHINERY AND WATER					
	1,1	1,2	2,1	2,2	3,1	3,2
1	1,073	NS	NS	NS	1,182	NS
2	1,501	4,498	1,315	6,594	1,670	5,270
3	NS	NS	NS	NS	NS	NS
4	NS	NS	NS	NS	NS	NS
5	4,442	NS	7,247	NS	4,840	NS
6	NS	NS	NS	NS	NS	NS
7	5,391	NS	10,115	NS	6,340	NS
8	NS	NS	NS	NS	NS	NS
9	2,672	NS	3,112	NS	3,041	NS
10	2,672	NS	3,112	NS	3,041	NS
11	2,754	NS	3,050	NS	3,001	NS
12	1,292	2,757	1,189	2,093	1,433	3,141

Comments:

- (1) Calculation similar to Table C-3A; but assumes escalated average annual variable production cost (Table C-10) at a rate of 6 percent per annum.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-4(A)

AVERAGE ACRES DETERMINATION FOR GRAIN TO ALFALFA SEED
PRODUCTION CYCLE (1)

STUDY QUADRANT	ACRES COMPUTED PER PROFILE MACHINERY & WATER DEVELOPMENT PROFILE					
	1,1	1,2	2,1	2,2	3,1	3,2
1	329	481	297	384	451	533
2	263	305	196	238	288	337
3	892	1,331	709	1,150	981	1,475
4	NS	NS	NS	NS	NS	NS
5	1,287	2,508	1,084	2,564	1,705	2,779
6	759	1,099	600	940	924	1,218
7	897	1,341	713	1,160	987	1,486
8	986	1,537	792	1,357	1,086	1,703
9	1,524	3,521	1,324	4,188	2,104	3,901
10	1,524	3,521	1,324	4,188	2,104	3,901
11	1,513	3,469	1,313	4,090	2,086	3,838
12	520	650	404	534	568	720

Comments:

(1) Production Cycle 2 acres determination.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-4(B)

AVERAGE ACRES DETERMINATION FOR GRAIN TO ALFALFA SEED
PRODUCTION CYCLE (1)

STUDY QUADRANT	ACRES COMPUTED PER MACHINERY AND WATER PROFILE					
	1,1	1,2	2,1	2,2	3,1	3,2
1	684	1,065	550	945	851	1,189
2	350	435	265	349	383	483
3	5,441	NS	12,018	NS	6,418	NS
4	NS	NS	NS	NS	NS	NS
5	NS	NS	NS	NS	NS	NS
6	4,372	NS	8,596	NS	NS	NS
7	5,626	NS	13,357	NS	666	NS
8	12,967	NS	NS	NS	17,268	NS
9	NS	NS	NS	NS	NS	NS
10	NS	NS	NS	NS	NS	NS
11	NS	NS	NS	NS	NS	NS
12	1,290	2,757	1,189	3,665	1,422	3,160

Comments:

(1) Refer to Table C-3B Comments; Assumes 6 percent average annual variable cost of production escalation cost.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-5

AVERAGE ACRES DETERMINATION FOR GRAIN TO MULTIPLE CROP
PRODUCTION CYCLE (1)

STUDY QUADRANT	ACRES COMPUTED PER PROFILE MACHINERY & WATER DEVELOPMENT PROFILE					
	<u>1,1</u>	<u>1,2</u>	<u>2,1</u>	<u>2,2</u>	<u>3,1</u>	<u>3,2</u>
1	633	864	483	700	668	914
2	555	717	423	576	611	800
3	1,895	5,257	1,630	6,741	2,134	6,327
4	2,137	7,477	1,882	13,526	2,416	9,361
5	529	689	400	550	561	735
6	739	1,061	570	873	776	1,112
7	819	1,182	638	988	905	1,328
8	764	1,076	592	891	843	1,207
9	3,351	NS	3,285	NS	3,113	NS
10	1,139	2,027	907	1,806	1,172	2,033
11	3,299	NS	3,216	NS	3,072	NS
12	NS	NS	NS	NS	13,249	NS

Comments:

(1) Production Cycle 3.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-6

AVERAGE ANNUAL FIXED COSTS
AND DESIRED INCOME (1)

<u>MACHINERY AND WATER PROFILE</u>	<u>FIXED PRODUCTION</u>	<u>FIXED WATER DEVELOPMENT</u>	<u>INCOME</u>	<u>TOTAL</u>
1,1	23,024	6,583	23,169	52,776
1,2	23,024	10,583	23,169	55,776
2,1	8,584	6,583	23,169	38,336
2,2	8,584	10,583	23,169	42,336
3,1	27,750	6,583	23,169	57,502
3,2	27,750	10,583	23,169	61,502

Comments:

(1) Refer To Tables C-11 and C-14.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-7

AVERAGE ANNUAL PY RETURNS: GRAIN TO ALFALFA HAY
PRODUCTION CYCLE (1)

STUDY QUADRANT	PRODUCTION CYCLE YEARS					TOTAL (\$)	AVE. ANNUAL \$(2)
	1	2	3	4	5-10		
1 Y	24	48	73	2.3	3.4	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	59.28	118.56	180.31	150.83	222.97	1846.81	184.68
2 Y	24	48	73	2.3	3.5	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	59.28	118.56	180.31	150.83	229.53	1886.16	188.62
3 Y	17	33	50	1.7	2.5	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	41.99	81.51	123.5	111.49	163.95	1342.19	134.22
4 Y	16	32	49	1.6	2.4	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	39.52	79.04	121.03	104.93	157.39	1209.84	120.98
5 Y	25	50	76	2.4	3.5	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	61.75	123.5	187.72	157.39	229.53	1907.54	190.75
6 Y	23	46	70	2.2	3.3	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	56.81	113.62	172.9	144.28	216.41	1786.09	178.61
7 Y	19	38	57	2.0	3.1	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	46.93	93.86	140.79	131.16	203.3	1632.53	163.25
8 Y	20	40	61	1.8	2.7	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	49.4	98.8	150.67	118.04	177.07	1479.31	147.93
9 Y	21	43	65	2.5	3.8	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	51.87	106.21	160.55	163.95	249.20	1977.80	197.78
10 Y	21	43	65	2.5	3.8	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	51.87	106.21	160.55	163.95	249.20	1977.80	197.78
11 Y	22	43	65	2.5	3.8	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	54.34	106.21	160.55	163.95	249.20	1980.25	198.02
12 Y	25	50	75	3.9	5.8	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	61.75	123.5	185.25	255.76	380.36	2908.44	290.84

Comments:

(1) Refer to assumptions in Table C-28 for yields; Grain yields (years 1-3) expressed in bushels; hay yields (years 4-10) expressed in tons; 1 are dollars per bushel and dollars per ton for grains and hay, respectively (Table C-32).

(2) Average annual return equivalent to: $\frac{10}{N=1} \text{PN} \cdot \text{YN} / 10$

TABLE C-8

AVERAGE ANNUAL PY RETURNS: GRAIN TO ALFALFA SEED
PRODUCTION CYCLE (1)

STUDY QUADRANT	PRODUCTION CYCLE YEARS					TOTAL (\$)	AVE. ANNUAL (\$)
	1	2	3	4	5-10		
1 Y	24	48	73	2.3	4.6	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	59.28	118.56	180.31	150.83	439.76	3147.54	314.75
2 Y	24	48	73	2.3	5.3	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	59.28	118.56	180.31	150.83	506.68	3549.06	354.91
3 Y	17	33	50	1.7	3.1	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	41.99	81.51	123.5	111.49	296.36	2136.65	213.67
4 Y	16	32	49	1.6	2.4	-	-
P	2.47	2.47	2.47	65.58	95.58	-	-
PY	39.52	79.04	121.03	104.93	157.39	1209.84	120.98
5 Y	25	50	76	2.4	3.8	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	61.75	123.5	187.72	157.39	363.28	2710.04	221.00
6 Y	23	46	70	2.2	3.5	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	56.81	113.62	172.9	144.28	334.6	2495.21	249.52
7 Y	19	38	57	2.0	3.0	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	46.93	93.86	140.79	131.16	286.8	2133.54	213.35
8 Y	20	40	61	1.8	2.9	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	49.4	98.8	150.67	118.04	277.24	2080.35	208.04
9 Y	21	43	65	2.5	2.9	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	51.87	106.21	160.55	163.95	277.24	2146.02	214.60
10 Y	21	43	65	2.5	2.9	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	51.87	106.21	160.55	163.95	277.24	2146.02	214.60
11 Y	22	43	65	2.5	2.9	-	-
P	2.47	2.47	2.47	65.58	95.60	-	-
PY	54.34	106.21	160.55	163.95	277.24	2148.49	214.84
12 Y	25	50	75	3.9	5.8	-	-
P	2.47	2.47	2.47	65.58	65.58	-	-
PY	61.75	123.5	185.25	255.76	380.36	2908.44	290.84

Comments:

(1) Refer to Table C-7 comments; Seed expressed in cwt (yields per acre) and dollars per cwt returns; Also note that areas not desirable for seed production include alfalfa hay production similar to Table C-7.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-9

AVERAGE ANNUAL PY RETURNS: GRAIN TO MULTIPLE CROP
PRODUCTION CYCLE

STUDY QUADRANT	PRODUCTION CYCLE YEARS					TOTAL (\$)	AVE. ANNUAL (\$)
	1	2	3	4	5-10		
1 Y	24	48	73	67	68	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	59.28	118.56	180.31	243.88	247.52	2,087.15	208.71
2 Y	24	48	73	67	68	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	59.28	118.56	180.31	243.88	247.52	2,087.15	208.71
3 Y	17	33	50	45	46	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	41.99	81.51	123.5	163.80	167.44	1,415.44	141.54
4 Y	16	32	49	44	45	-	-
P	2.47	2.47	2.47	3.67	3.64	-	-
PY	39.52	79.04	121.03	161.48	163.80	1,383.87	138.39
5 Y	25	50	76	72	74	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	61.75	123.5	187.72	262.08	269.36	2,251.21	225.12
6 Y	23	46	70	62	64	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	56.81	113.62	172.9	225.68	232.96	1,966.77	196.68
7 Y	19	38	57	58	59	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	46.93	93.86	140.79	211.12	214.76	1,781.26	178.13
8 Y	20	40	61	60	60	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	49.4	98.8	150.67	218.4	218.4	1,827.67	182.77
9 Y	21	43	65	42	43	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	51.87	106.21	160.55	152.88	156.52	1,410.63	141.06
10 Y	21	43	65	54	55	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	51.87	106.21	160.55	196.56	200.2	1,716.39	171.64
11 Y	22	43	65	42	43	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	54.34	106.21	160.55	152.88	156.52	1,413.1	141.31
12 Y	25	50	75	35	36	-	-
P	2.47	2.47	2.47	3.64	3.64	-	-
PY	61.75	123.5	185.25	127.4	131.04	1,284.14	128.41

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-10

AVERAGE ANNUAL VARIABLE COSTS PER QUAD
VARIABLE COSTS SUMMARY

GRAIN TO ALFALFA HAY PRODUCTION CYCLEREGIONAL QUAD I

<u>Machinery Profile</u>	<u>Water Profile</u>	<u>AVERAGE ANNUAL VARIABLE COSTS OF PRODUCTION (\$)</u>				<u>Total</u>
		<u>Operation</u>	<u>Water</u>	<u>Land</u>	<u>Other(1)</u>	
1	1	76.77	20.31	10.57	8.61	116.26
2	1	80.97	20.31	10.57	8.95	120.80
3	1	77.28	20.31	10.57	8.65	116.81
1	2	76.77	36.27	10.57	9.89	133.5
2	2	80.97	36.27	10.57	10.22	138.03
3	2	77.28	36.27	10.57	9.93	134.05

REGIONAL QUAD II

1	1	86.48	18.86	20.13	10.04	135.51
2	1	91.10	18.86	20.13	10.41	140.50
3	1	86.95	18.86	20.13	10.08	136.02
1	2	86.48	36.27	20.13	11.43	154.31
2	2	91.10	36.27	20.13	11.8	159.30
3	2	86.95	36.27	20.13	11.47	154.82

REGIONAL QUAD III

1	1	109.32	18.14	47.86	14.03	189.35
2	1	115.41	18.14	47.86	14.51	195.92
3	1	109.86	18.14	47.86	14.07	189.93
1	2	109.32	32.64	47.86	15.19	205.01
2	2	115.41	32.64	47.86	15.67	211.58
3	2	109.86	32.64	47.86	15.23	205.50

GRAIN TO ALFALFA SEED PRODUCTION CYCLEREGIONAL QUAD I

1	1	112.20	20.31	10.57	11.45	154.53
2	1	116.91	20.31	10.57	11.82	159.61
3	1	112.71	20.31	10.57	11.49	155.08
1	2	112.20	36.27	10.57	12.72	171.76
2	2	116.91	36.27	10.57	13.1	176.85
3	2	112.71	36.27	10.57	12.76	172.31

TABLE C-10
(Continued)

GRAIN TO ALFALFA SEED PRODUCTION CYCLE

REGIONAL QUAD II

<u>Machinery Profile</u>	<u>Water Profile</u>	AVERAGE ANNUAL VARIABLE COSTS OF PRODUCTION (\$)				<u>Total</u>
		<u>Operation</u>	<u>Water</u>	<u>Land</u>	<u>Other(1)</u>	
1	1	127.64	18.86	20.13	13.33	179.9
2	1	132.94	18.86	20.13	13.75	185.6
3	1	128.11	18.86	20.13	20.18	187.2
1	2	127.64	36.27	20.13	14.72	198.7
2	2	132.94	36.27	20.13	15.15	204.4
3	2	128.11	36.27	20.13	14.76	199.2

REGIONAL QUAD III

1	1	109.32	18.14	47.86	14.03	189.3
2	1	115.41	18.14	47.86	14.51	195.9
3	1	109.86	18.14	47.86	13.83	189.6
1	2	109.32	32.64	47.86	15.19	205.0
2	2	115.41	32.64	47.86	15.67	211.5
3	2	109.86	32.64	47.86	15.23	205.5

GRAIN TO MULTIPLE CROP PRODUCTION CYCLE

REGIONAL QUAD I

1	1	74.39	20.31	10.57	8.42	113.69
2	1	78.40	20.31	10.57	8.74	118.02
3	1	75.22	20.31	10.57	8.49	114.59
1	2	74.39	36.27	10.57	9.7	130.93
2	2	78.40	36.27	10.57	10.02	135.26
3	2	75.22	36.27	10.57	9.76	131.82

REGIONAL QUAD II

1	1	77.04	18.86	20.13	9.28	125.31
2	1	80.82	18.86	20.13	9.58	129.39
3	1	74.52	18.86	20.13	9.08	122.59
1	2	77.04	36.27	20.13	10.68	144.12
2	2	80.82	36.27	20.13	10.98	148.20
3	2	74.52	36.27	20.13	10.47	141.39

TABLE C-10
(Continued)

GRAIN TO MULTIPLE CROP PRODUCTION CYCLE

REGIONAL QUAD III

<u>Machinery</u> <u>Profile</u>	<u>Water</u> <u>Profile</u>	AVERAGE ANNUAL VARIABLE COSTS OF PRODUCTION (\$)				<u>Total</u>
		<u>Operation</u>	<u>Water</u>	<u>Land</u>	<u>Other (1)</u>	
1	1	94.30	18.14	47.86	12.82	173.12
2	1	99.44	18.14	47.86	13.24	128.68
3	1	95.18	18.14	47.86	12.89	124.07
1	2	94.30	32.64	47.86	13.98	188.78
2	2	99.44	32.64	47.86	14.4	194.34
3	2	95.18	32.64	47.86	14.05	189.73

Comments:

- (1) Assumes 8 percent of Total Variable Production Costs For
Production Credit Costs.

SOURCE: BRI Systems, Inc. Phoenix, Arizona.

TABLE C-11

AVERAGE ANNUAL FIXED COST ESTIMATES

WATER DEVELOPMENT AND
MACHINERY PURCHASE
(F1 COST ESTIMATES)

<u>ITEM</u>	<u>MACHINERY PROFILE</u>		
	<u>PROFILE 1</u>	<u>PROFILE 2</u>	<u>PROFILE 3</u>
Well Profile 1 Costs(1)	\$ 6,853	\$ 6,853	\$ 6,853
Machinery Costs(2)	<u>\$23,024</u>	<u>\$ 8,584</u>	<u>\$27,750</u>
Subtotal	\$29,877	\$15,437	\$34,603
Well Profile 2 Costs(1)	\$10,583	\$10,583	\$10,583
Machinery Costs(2)	<u>\$23,024</u>	<u>\$ 8,584</u>	<u>\$27,750</u>
Subtotal	\$33,607	\$19,167	\$38,333

Comments:

- (1) Refer to Table C-12 for water development assumptions.
- (2) Refer to Table C-13 for machinery assumptions.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-12

WELL PROFILE SPECIFICATION ASSUMPTIONS

<u>ASSUMPTIONS</u>	<u>PROFILE 1</u>	<u>PROFILE 2</u>
Drilling Depth (feet)	600	1,000
Water Lift (feet)	300	500
Casing (inches)	20	16
Pump Rate (Gal/Min)	3,000(1)	2,500(1)
Well Depreciation Period (yr)	25	25
Well Salvage Value (%)	0	0
Pump Assembly Depreciation (yr)	15	15
Pump Assembly Salvage (%)	3	3
Power Unit Depreciation (yr)	25	25
Power Unit Salvage (%)	3	3
Bowls Depreciation (yr)	2	2
Bowls Salvage (%)	0	0
Investment Interest Rate (%)	8.5	8.5

COSTS (TOTAL)

Core Tests, Well Drilling Cost and Casing Installation Expenses (2)		
Casing (Incl. Perforation) Cost (3)	\$ 18,300	\$ 30,500
Pump Assembly (4)	\$ 6,630	\$ 10,050
14 Inch Bowls (5)	\$ 13,500	\$ 22,500
Power Unit (6)	\$ 2,360	\$ 4,130
Misc. Equip. (7)	\$ 7,360	\$ 9,630
Installation and Labor (8)	\$ 6,200	\$ 8,400
	\$ 1,200	\$ 2,000
Total Profile Cost	\$ 55,550	\$ 87,210

ANNUAL FIXED COSTS

Depreciation (9)	\$ 3,727	\$ 5,838
Interest (10)	\$ 2,398	\$ 3,855
Other (11)	\$ 728	\$ 890
Estimated Annual Fixed Cost	\$ 6,853	\$ 10,583

Comments:

- (1) Estimated flow rate of 2,800-3,000 gpm and 2,300-2,500 gpm used for two depth profiles respectively.
- (2) Numerous factors influence drilling cost; following assumptions are used for the lands under investigation:
 - (a) In many situations core (test) hole may have to be drilled because of uncertainty of water depth, gravel packing requirements, etc.; drilling into hard core bedrock, if encountered, will be much more expensive than alluvium; Average cost of \$12.50 per foot assumed for core test; Rotary drill beyond 6" pilot test core.
 - (b) Average cost of \$18 per linear foot assumed for casing installation.
 - (c) Data based upon preliminary (unpublished) statistics compiled by University of Nevada, 1976 Field Crop Budgets, University of Arizona, and price quotations requested of McDonald Company, Marcin Drilling and Continental Drilling Co., Nevada.
- (3) Based upon mean values obtained from Cooperative Extensive Service, University of Arizona survey (1975-76); Assumes average value of \$11.05 per linear foot.

TABLE C-12
(Continued)

Comments:

- (4) Assumes 10 inch column based upon mean quotations specified in Comment No. (3) survey.
- (5) Assumes four (4) stages for Profile 1 and seven (7) stages for Profile 2 at average price of \$590 per stage.
- (6) Assumes 300 HP unit for Profile 1 and 400 HP unit for Profile 2.
- (7) For electrical power source, miscellaneous costs would include secondary power station; in all situations a need exists for starter, hand compensator, etc. equipment. Average costs estimated for Profile based upon diesel fuel as a source.
- (8) Average costs of \$2.00 per well casing linear foot used in the analysis.
- (9) Refer to assumptions given in first part of Table--depreciation period and salvage value percents of base costs.
- (10) Assumes 8.5 percent on investment.
- (11) Includes taxes, insurance and other miscellaneous costs.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-13

MACHINERY PROFILE SPECIFICATION ASSUMPTIONS(1)

	PRIMARY ANALYSIS			ESTIMATED		AVE.	AVE.
	PROFILE			PRICE	HOURS TO	ANNUAL	ANNUAL
EQUIPMENT TYPE	1	2	3	(1976)	WEAR OUT	HOURS	FIXED
				(\$)	(HRS)	OF USE	COST(2)
						(HRS)	(\$)
POWER							
60 HP Tractor	1	2	3	\$10,934	12,000	1,200	\$ 1,788
110 HP Tractor	1	2	-	\$18,710	12,000	1,200	\$ 3,084
125 HP Tractor	-	-	3	\$22,737	12,000	1,200	\$ 3,732
TILLAGE							
Chisel Plow(7 Shank)	1	2	3	\$ 1,513	2,500	110	\$ 175
Disk Offset(12 ft)	1	2	3	\$ 4,485	2,500	200	\$ 254
Disk Tandem(12 ft)	-	-	3	\$ 3,248	2,500	170	\$ 411
Harrow(3 Section)	1	2	3	\$ 533	2,500	200	\$ 80
Landplane (12'x45')	-	-	3	\$ 5,545	2,500	200	\$ 828
Float (12'x36') or	-	-	3	\$ 2,340	2,500	200	\$ 240
Lister (7 Bottom)							
PLANTING							
Drill Planter(4 Row)	1	2	-	\$ 2,300	1,200	120	\$ 380
Drop Planter(4 Row)	-	-	3	\$ 3,225	1,200	120	\$ 533
Broadcast Seeder	1	2	3	\$ 970	1,200	80	\$ 134
Grain Drill (12')	-	-	3	\$ 3,340	1,200	140	\$ 594
HARVEST & MISC.							
Sprayer (8 Row)	1	2	3	\$ 2,535	1,200	200	\$ 530
Combine 150 Bu	1	-	3	\$37,880	2,000	200	\$ 6,586
Swather (14 ft)	1	-	3	\$20,488	2,500	300	\$ 3,858
Bale Wagon (Pull)	1	-	3	\$ 9,560	2,500	300	\$ 1,722
Baler (3 wire)	1	-	3	\$12,600	2,500	300	\$ 2,274
Rowbuck (12 ft)	-	-	3	\$ 1,685	2,500	150	\$ 220
Fert. Spreader	1	2	3	\$ 1,140	1,200	150	\$ 413
HAULING & MISC.							
Truck (1/2 Ton)	1	2	3	\$ 6,100	3,000	600	\$ 1,746
Truck (1 Ton)	-	-	3	\$ 7,320	3,000	400	\$ 1,632

SUMMARY OF FIXED COSTS

PROFILE FIXED COSTS

Equipment Type	1 2 3		
Power	\$ 4,872	\$ 4,872	\$ 5,520
Tillage	\$ 509	\$ 509	\$ 1,988
Planting	\$ 514	\$ 514	\$ 1,261
Harvest & Misc.	\$15,383	\$ 943	\$15,603
Hauling & Misc.	\$ 1,746	\$ 1,746	\$ 3,378
Total Ave. Annual Cost	\$23,024	\$ 8,584	\$27,750

TABLE C-13
(Continued)

Comments:

- (1) Profiles developed based upon equipment specifications developed in Irrigation Age, May-June, 1975 (Webb Publ.); Bulletin 217, Agricultural Experiment Station, University of Arizona (Costs of Producing Crops In The Irrigated Southwest-Nevada), and 1976 Special Report of Field Crop Budgets, Cooperative Extension Service, University of Arizona.
- (2) Average annual fixed cost is computed as the product of the average annual depreciation, interest and taxes times average annual hours of use; Repairs and fuel-oil costs (as applicable) are included in the variable costs.

SOURCE: Refer to sources identified in assumptions.

TABLE C-14

<u>DESIRED INCOME CALCULATION</u>	
<u>ITEM</u>	<u>VALUE</u>
Average Annual Desired Income: 1976(1)	\$18,420
Average Annual Income Multiplier(2)	1.2578
Average Annual Desired Income(3)	\$23,169

Comments:

- (1) Based upon assumptions developed in Table C-15.
- (2) Multiplier (m) = $\frac{(1 + i)^n - 1}{i \cdot n}$; assumes cost of living (desired income) escalation of 5 percent annually (i) over economic analysis ten (10) year period (n).
- (3) Average annual desired income over the ten (10) year analysis period; $I_{\text{Desired Ave}} = I_{\text{Base(1976)}}^{*m}$;
Note that this is equal to total average income over 10 years (assuming escalation) divided by period of analysis.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-15

INCOME DETERMINATION BASIS

<u>YEAR</u>	<u>PER CAPITA INCOME</u>		
	<u>U.S. FARMS</u>	<u>NEVADA FARMS</u>	<u>NEVADA TOTAL</u>
1969	-	\$ 2,974(2)	\$ 3,554(3)
1970	\$ 2,763(1)	-	-
1972	\$ 3,490(1)	-	\$ 4,390(3)
1976(Est.)	\$ 4,944(4)	\$ 4,605(5)	\$ 5,504(4)
Desired Income	\$19,776(6)	\$18,420(6)	\$22,016(6)

Comments:

- (1) Per capita personal income of farm population, 1975 Statistical Abstract Of The U.S.
- (2) Median farm family income in 1969 was \$8,921 and average family consisted of 3 members, County and City Data Handbook, 1972, U.S. Department of Commerce, based upon 1970 census.
- (3) Per capita Nevada income, 1975 Statistical Abstract Of The U.S.
- (4) Estimated based upon continuation of past 1969-1972 trends.
- (5) Developed upon assumption that Nevada farm per capita income trend between 1969-76 would be similar to Nevada total population per capita income trend (column 4) for similar period.
- (6) Desired Income for family of four based upon 1976 per capita estimated incomes.

SOURCE: U.S. Department of Commerce Publications identified above.

TABLE C-16

VARIABLE COST ASSUMPTION RELATIONSHIP TO
MACHINERY PROFILES DEVELOPED FOR ANALYSIS

<u>OPERATION</u>	<u>MACHINERY PROFILE 1</u>	<u>MACHINERY PROFILE 2</u>	<u>MACHINERY PROFILE 3</u>
Land Preparation	Similar To Cost Basis Framework(1)	Similar To Cost Basis Framework	Larger Equipment Increased Pro- ductivity
Irrigation Preparation	Similar To Cost Basis Framework(1)	Similar To Cost Basis Framework	Larger Equipment Increased Pro- ductivity
Irrigation Cost	Area Dependent	Area Dependent	Area Dependent
Plant and Grow	Similar To Cost Basis Framework	Similar To Cost Basis Framework	Similar To Cost Basis Framework
Harvest	Similar To Cost Basis Framework	Custom Services Used	Larger and more equipment; In- creased Product
Haul	Limited Local For Base Profile	Custom Services	Equipment To Self-Haul Products

Comments:

- (1) Cost Basis is Cost of Producing Crops in the Irrigated South-west-Nevada, developed by E.R. Barmettler, University of Nevada N.G. Wright, University of Arizona, T.M. Stubblefield, University of Arizona, D.A. Swope, U.S. Department of Agriculture; Cost framework referenced in 1972; Costs updated to 1976 as shown in following tables.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-17
VARIABLE COSTS TO ESTABLISH BARLEY (YR. 1)*
 (Costs Per Acre)

OPERATION	ANALYSIS BASE (4)	QI COSTS(1)			QII COSTS(2)			QIII COSTS(3)		
		P(1)	P(2)	P(3)	P(1)	P(2)	P(3)	P(1)	P(2)	P(3)
Land		4.73-								
Preparation	QI	6.31	12.07	12.55	12.03					
		6.22-								
	QII	7.69			15.21	15.81	15.16			
		6.75-								
	QIII	11.49						19.94	20.74	19.88
Plant & Grow	QI	17.65	38.78	39.56	39.16					
	QII	15.05			33.27	33.94	33.60			
	QIII	19.85						43.45	44.32	43.88
Harvest & Misc.	QI	22.36	33.19	36.51	35.84					
	QII	20.69			30.62	33.68	33.07			
	QIII	23.12						34.21	37.63	36.95
Subtotal		44.74-								
	QI	46.32	84.04	88.62	87.03					
		41.96-								
	QII	43.43			79.10	83.43	81.83			
		49.72-								
	QIII	54.46						97.60	102.69	100.71

Comments:

*Does not include water costs; P(1)-P(3) represent Machinery Profiles.

(1) QI: Quadrants include 2,3,4,7 and 8.

(2) QII: Quadrants include 1,5,6,9,10 and 11.

(3) QIII: Quadrant 12 (Clark).

(4) Based upon Cost of Producing Crops In The Irrigated Southwest-Nevada (Part III), University of Arizona, Tucson, Arizona, Bulletin 217 (1972 Cost Base); U.S. Department of Agriculture 1975 Handbook (No. 491) and Statistical Abstract of U.S. (1975) used to update costs (based upon price change indexes) to study period.

TABLE C-17
(Continued)

NOTE: Costs for 1976 are obtained by use of Tables C-22 and C-23 for each segment of agricultural operation. Refer to the referenced tables for assumptions used.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-18
VARIABLE COSTS TO PRODUCE GRAIN*
(Costs Per Acre)

OPERATION	ANALYSIS BASE (4)	QI COSTS(1)			QII COSTS(2)			QIII COSTS(3)		
		P(1)	P(2)	P(3)	P(1)	P(2)	P(3)	P(1)	P(2)	P(3)
Land Preparation	QI	6.31	13.98	14.54	14.12					
	QII	6.22			13.78	14.33	13.92			
	QIII	6.75						14.96	15.56	15.11
Plant & Grow	QI	17.65	26.52	27.05	26.51					
	QII	15.05			23.49	23.96	23.48			
	QIII	19.85						29.06	29.64	29.05
Harvest & Misc.	QI	22.36	30.19	32.61	31.10					
	QII	20.69			27.93	30.16	28.77			
	QIII	23.12						31.21	33.71	32.15
Subtotal	QI	46.32	70.69	74.21	71.73					
	QII	41.96			65.20	68.45	66.17			
	QIII	49.72						75.23	78.91	76.31

Comments:

Refer to Table C-17 Comments

TABLE C-19
VARIABLE COSTS TO ESTABLISH ALFALFA
(Costs Per Acre)

OPERATION	ANALYSIS BASE (4)	QI COSTS(1)			QII COSTS(2)			QIII COSTS(3)		
		P(1)	P(2)	P(3)	P(1)	P(2)	P(3)	P(1)	P(2)	P(3)
Land Preparation(5)										
	QI 4.73	9.39	9.95	9.58						
	QII 7.69				15.26	16.18	15.57			
	QIII 11.49							22.81	24.17	23.27
Plant & Grow										
	QI 21.06	30.68	33.74	30.67						
	QII 21.06				30.68	33.74	30.67			
	QIII 37.33							45.83	50.41	45.82
Harvest & Misc.										
	QI 27.82	30.60	32.44	30.59						
	QII 21.24(5)				23.36	24.76	23.35			
	QIII 22.46(5)							24.71	26.19	24.70
Subtotal										
	QI 53.61	70.67	76.13	70.84						
	QII 49.99				69.30	74.28	69.59			
	QIII 71.28							93.35	100.77	93.79

Comments:

(1)-(4) Refer to Table C-17.

(5) Nurse crop assumed in analysis; not assumed in reference for this area.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-20

VARIABLE COSTS TO PRODUCE ALFALFA HAY*
(Costs Per Acre)

OPERATION	ANALYSIS BASE (4)	QI(1) COSTS			QII(2) COSTS			QIII(3) COSTS		
		P(1)	P(2)	P(3)	P(1)	P(2)	P(3)	P(1)	P(2)	P(3)
Land		(5)	(5)	(5)						
Preparation	QI 2.00(5)	2.80	2.80	2.80						
					(5)	(5)	(5)			
	QII 2.00(5)				2.80	2.80	2.80			
								(5)	(5)	(5)
	QIII 2.00(5)							2.80	2.80	2.80
Plant & Grow										
	QI 8.18(6)	19.88	20.68	19.87						
	QII 12.82(6)				31.15	32.40	31.14			
	QIII 10.50(6)							25.52	26.54	25.51
Harvest & Misc.										
	QI 37.53	55.92	59.28	55.90						
	QII 42.76				63.71	67.53	63.69			
	QIII 65.08							96.97	102.79	96.94
Subtotal										
	QI 47.71	78.60	82.76	78.57						
	QII 57.58				97.66	102.73	97.63			
	QIII 77.58							125.29	132.13	125.25

Comments:

(1)-(4) Refer to Table C-17.

(5) Other costs included in "Variable Costs To Establish Alfalfa" Table.

(6) Partial Costs included in Comment (5) referenced table.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-21

VARIABLE COSTS TO PRODUCE ALFALFA SEED*
(Costs Per Acre)

<u>OPERATION</u>	<u>ANALYSIS BASE(4)</u>	<u>QI(1) COSTS</u>			<u>QII(2) COSTS</u>			<u>QIII(3) COSTS</u>		
		<u>P(1)</u>	<u>P(2)</u>	<u>P(3)</u>	<u>P(1)</u>	<u>P(2)</u>	<u>P(3)</u>	<u>P(1)</u>	<u>P(2)</u>	<u>P(3)</u>
Land Preparation		(5)	(5)	(5)						
	QI	2.00(5)	2.80	2.80	2.80					
	QII	2.00(5)			2.80	2.80	2.80			
	QIII	--	--	--	--	--	--	--	--	--
Plant & Grow										
	QI	44.04(5)	77.07	80.92	77.06					
	QII	56.05			98.08	102.98	98.07			
	QIII	--	--	--	--	--	--	--	--	--
Harvest & Misc.										
	QI	39.85	57.78	58.93	57.76					
	QII	45.09			65.38	66.69	65.36			
	QIII	--	--	--	--	--	--	--	--	--
Subtotal										
	QI	85.89	137.65	142.65	137.62					
	QII	103.14			166.26	172.47	166.23			
	QIII	--	--	--	--	--	--	--	--	--

Comments:

(1)-(4) Refer to Table C-17 Comments.

(5) Includes one-sixth seed planting costs.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-22
AGRICULTURAL OPERATION VARIABLE COST RATIO
USED IN ANALYSIS(1)

(Values Expressed In Percent)

ESTABLISH CROP YEARS		PRODUCE CROP YEARS			MAJOR OPERATIO
GRAIN	ALFALFA	GRAIN	ALFALFA HAY	ALFALFA SEED	
(2)	(2,3)	(2)	(2,3)	(3)	
16.0	29.4	14.1	-	-	<u>Land Preparati</u>
7.4	15.6	6.5	-	-	Machinery
60.1	39.8	63.4	-	-	Wages
5.6	10.2	5.0	-	-	Fertilizer
10.9	5.0	11.0	-	-	Fuel
100.0	100.0	100.0	-	-	Other
					Total
					<u>Plant & Grow</u>
10.9	5.3	7.9	2.6	8.3	Machinery
5.0	5.7	4.0	3.2	4.1	Wages
60.6	(4)	(4)	78.4	28.8	Fertilizer
3.4	2.3	2.7	2.1	2.4	Fuel
20.1	86.7	85.4	13.7	56.4	Other
100.0	100.0	100.0	100.0	100.0	Total
					<u>Harvest</u>
60.8	44.1	36.8	36.4	19.0	Machinery
18.4	31.1	10.8	27.8	19.5	Wages
-	-	-	-	-	Fertilizer
13.1	9.6	8.2	4.6	5.2	Fuel
7.7	15.2	44.2	31.2	56.3	Other
100.0	100.0	100.0	100.0	100.0	Total

- (1) Assumptions: Does not include irrigation costs; Production credit costs divided equally between land preparation, plant and grow, and harvest and miscellaneous operations; Also assumes nurse grain crop planting and yield in first alfalfa year; "Other" cost ratio includes seed, etc.
- (2) Source is U.S. Department of Agriculture, Cooperative Extension Service, University of Arizona, Field Crop Budgets, 1976.
- (3) Source is Cost Of Producing Crops In The Irrigated Southwest: Nevad Agricultural Experiment Station, University of Arizona, 1972 and Unpublished Nevada Field Crop Budgets, University of Nevada, 1976.
- (4) Included in preparation and other miscellaneous costs.

SOURCE: Refer to sources listed above.

TABLE C-23

INDEXES USED FOR UPDATING VARIABLE COSTS OF PRODUCTION

<u>WAGES PAID BY FARMERS</u>	<u>SOURCE (1)</u>	<u>SOURCE (2)</u>	<u>ECONOMIC ANALYSIS PERCENT (4)</u>
Reference	(1)	(2)	
Reference Table	(F-7)	#1055	
Base Year (Index = 100)	1967	1967	
1972 Index	142	142	
1974 Index	176	176	
1975 (Prel.) Index	188	-	
1976 (Proj.) Index	202	202	
Developed Incremental Analysis Index	42	42	42
Increase (1972-76) Percent			

MACHINERY COSTS

Reference	(1)	(2)	
Reference Table	(F-10)	#684	
Base Year (Index = 100)	1960	1967	
1972 Index	161	122.3	
1974 Index	201	143.6	
1975 (Prel.) Index	233	166.7	
1976 (Proj.) Index	255	180	
Developed Incremental Analysis Index Increase (1972-76) Percent	58	48	53

FERTILIZER (MATERIALS)

Reference	(1)		
Reference Table	(F-10)		
Base Year (Index = 100)	1960		
1972 Index	104		
1974 Index	197		
1975 (Prel.) Index	239		
1976 (Proj.) Index	282		
Developed Incremental Analysis Index Increase (1972-76) Percent	171		170

FUEL PRICES

Reference	(1)	(2)	
Reference Table	(F-13)	#701/#688	
Diesel 1972	19¢/Gal.	118.5(3)	
Diesel 1974	36¢/Gal.	214.6(3)	
Gasoline 1972	32.5¢/Gal.	107.6(3)	
Gasoline 1974	52¢/Gal.	159.9(3)	
Developed Incremental Analysis Index Increase (1972-76) Percent	81	-	80

TABLE C-23
(Continued)

PRODUCTIVITY (FARM: PER UNIT OF INPUT)	SOURCE (1)	SOURCE (2)	ECONOMIC ANALYSIS PERCENT
Reference	(1)	(2)	
Reference Table	(F-15)	#1063(Crops)	
Base Year (Index = 100)	1960	1967	
1972 Index	116	124	
1974 Index	113	117	
1975 (Prel.) Index	120	-	
1976 (Proj.) Index	121	134	
Developed Incremental Analysis Index Increase (1972-76) Percent	4	8	6

Comments:

- (1) Source: 1975 Handbook No. 491, U.S. Department of Agriculture, Government Printing Office, Washington, D.C. 1976.
- (2) Source: Statistical Abstract of the U.S., 1975, U.S. Department of Commerce, Government Printing Office, Washington, D.C., 1976.
- (3) Index ratio based upon 1967 = 100.
- (4) Estimated percent increase 1972-1976.

SOURCE: Refer to sources identified above.

TABLE C-24
CUSTOM SERVICE RATES USED IN ANALYSIS
(1976 Cost Framework)

<u>OPERATION</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>REMARKS</u>
<u>Harvest</u>			
Swath & Rate	Acre	\$ 6.00	
Bale	Ton	\$ 7.00	Assumes 16 bales per ton
Bale	Acre	\$ 14.00	Assumes 2 tons per acre
Roadside	Ton	\$ 2.08	
Roadside	Acre	\$ 4.16	Assumes 2 tons per acre
Swath-Rake-Haul	Ton	\$ 9.00	Assumes local service
Swath-Rake-Haul	Acre	\$ 18.00	Assumes local service
Combine Grain	Acre	\$ 20.00	Assumes 2 tons per acre
<u>Fertilizer Services</u>			
Dry Spread	Acre	\$ 2.75	Services; does not include materials
Liquid Spread	Acre	\$ 3.00	Services; does not include materials
<u>Seed</u>			
Barley	CWT	\$ 10.00	
Barley	Acre	\$ 3.12	
Alfalfa	CWT	\$ 100.00	
Alfalfa	Acre	\$ 26.00	
Wheat	CWT	\$ 20.80	
Wheat	Acre	\$ 18.72	
<u>Hauling</u>			
1-10 miles	Ton	\$ 2.60	
11-25 miles	Ton	\$ 3.45	
26-50 miles	Ton	\$ 4.45	
51-100 miles	Ton	\$ 5.92	

SOURCE: Cooperative Extension Service, U.S. Department of Agriculture, 1976 Field Crop Budgets, University of Arizona, Tucson, Arizona.

TABLE C-25

AVERAGE ANNUAL COST ESTIMATES: LAND VALUE COSTS(1)
(FV1 Cost Estimate)

NEVADA QUADRANT	ESTIMATED VALUE PER ACRE(2) (\$)	AVERAGE ANNUAL PRINCIPAL AND INTERESTS(3) (\$)	AVERAGE ANNUAL TAXES(4) (\$)	TOTAL AVERAGE ANNUAL LAND COST PER ACRE (\$)
1	65	10.92	2.67	13.59
2	46	7.73	1.89	9.62
3	34	5.71	1.39	7.10
4	34	5.71	1.39	7.10
5	122	20.50	5.00	25.50
6	72	12.10	2.95	15.05
7	56	9.41	2.30	11.71
8	83	13.94	3.40	17.34
9	27	4.54	1.11	5.65
10	86	14.78	3.61	18.39
11	204	34.27	8.36	42.63
12	229	38.47	9.39	47.86

AVERAGE ESTIMATES SUMMARY FOR REGIONAL QUADS

QI	Quads	2,3,4,7,8	\$10.57
QII	Quads	1,5,6,9,10,11	\$20.13
QIII	Quad	12	\$47.86

Comments:

- (1) Land value assumed equivalent to the cost of purchase of raw land plus the cost of developing land for agricultural production purposes. It is noted that this cost is usually considered a "fixed cost when the operation size is known; In the current analysis, the cost is treated as a variable cost (dollars per acre) in determination of the operation size (acres).
- (2) Refer to Table C-26 for assumptions used in developing the value per acre for each Nevada study quadrant.
- (3) Assumes 20% down with financing of balance at 8.5 percent simple interest over 10 year period.
- (4) Taxes based upon production lands over period of analysis. Utilizing (unpublished) University of Nevada 1976 Preliminary Cost Of Production Computations and Desert Research Institute Technical Report No. 2, Costs And Returns From Crop And Livestock In The Up land Desert Valleys Of Nevada as a framework, a value of 4.1 percent of the average annual market value was used.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-26
LAND VALUES DETERMINATION
(FV1 Computation Per Quadrant(1))

STUDY QUADRANT	COUNTY	AVERAGE 1970 FARM LAND VALUE(2) (\$)	UPDATED 1976 FARM LAND VALUE(3) (\$)	ESTIMATED VALUE OF PUBLIC DOMAIN LANDS(4) (\$)	ANALYSIS RATIO (5) (%)
1	Humboldt	41	75	38	25
	Pershing	63	115	58	25
	Washoe	87	159	81	50
	Estimated(7)	-	-	65	-
2	Humboldt	41	75	38	60
	Pershing	63	115	58	40
	Estimated(7)	-	-	46	-
3	Elko	37	68	34	70
	Eureka	52	95	48	15
	Lander	24	44	22	15
	Estimated(7)	-	-	34	-
4	Elko	37	68	34	100
	Estimated(7)	-	-	34	-
5	Carson City	122	223	113	1
	Churchill	158	289	146	17
	Douglas	188	344	174	19
	Lyon	181	331	168	20
	Mineral	38	70	35	10
	Pershing	63	115	58	4
	Storey	(6)	(6)	(6)	4
	Washoe	87	159	81	25
	Estimated(7)	-	-	122	-
6	Churchill	158	289	146	27
	Lander	24	44	22	20
	Mineral	38	70	35	25
	Nye	81	148	75	20
	Pershing	63	115	58	6
	Estimated(7)	-	-	72	-
7	Eureka	52	95	48	10
	Lander	24	44	22	45
	Nye	81	148	75	45
	Estimated(7)	-	-	56	-
8	Lincoln	222	406	206	10
	Nye	81	148	75	10
	White Pine	74	135	68	80
	Estimated(7)	-	-	83	-
9	Esmeralda	19	35	18	70
	Mineral	38	70	35	20
	Nye	81	148	75	10
	Estimated(7)	-	-	27	-
10	Lincoln	222	406	206	10
	Nye	81	148	75	90
	Estimated(7)	-	-	68	-

TABLE C-26
(Continued)

<u>STUDY</u> <u>QUADRANT</u>	<u>COUNTY</u>	AVERAGE 1970 FARM LAND VALUE(2) (\$)	UPDATED 1976 FARM LAND VALUE(3) (\$)	ESTIMATED VALUE OF PUBLIC DOMAIN LANDS (4) (\$)	ANAL RA (
11	Clark	247	452	229	
	Lincoln	222	406	206	
	Nye	81	148	75	
	Estimated(7)	-	-	204	
12	Clark	247	452	229	1
	Estimated(7)	-	-	229	

Comments:

- (1) Refer to Comment No. (1), Table No. C-16 for land value (cost) determination and use in the economic analysis.
- (2) Average land value information for each county was obtained from County And City Data Handbook, U.S. Department of Commerce, Washington, D.C. (1972); Information is based upon 1970 census.
- (3) Average land value for base year 1976 was determined to reflect prices of farm inputs for period 1970-76 as specified in 1975 Handbook Of Agricultural Charts, U.S. Department of Agriculture, Handbook No. 491 (Page 12), October, 1975.
- (4) Public Lands value per county based upon following relationship for farm lands: clearing and tillage: 7.5 percent; water development: 32 percent; fencing: 1.6 percent; improvements: 8.2 percent; balance to include raw land market value estimate. Assumptions in developing relationships based upon average cost profile relationships specified in Costs And Returns From Crops And Livestock In The Upland Desert Valleys Of Nevada, Desert Research Institute, Report No. 2, University of Nevada, August, 1966; Although some areas do not contain available public lands, relationship is retained for analysis consistency.
- (5) Ratios specified represent relative percentage of County lands included in Quadrant under analysis.
- (6) Data not available; number of farms in survey is less than 10.
- (7) Estimated average value (per acre) is determined by $\sum_{i=1}^n C_i R_i / 100$ where C_i = average value (dollars) per acre for County (i) and R_i is analysis ratio for County (i); n represents number of counties in the quadrant under investigation.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-27
VARIABLE IRRIGATION COSTS

<u>ECONOMIC ANALYSIS</u>	<u>COST PER ACRE (\$)</u>	<u>COMMENTS</u>
Preliminary Economic Analysis (Phase I Criteria) }	\$18.14-\$36.27	Cost Average For Quadrant Based Upon Profile Shown On Following Page
Detailed Economic Analysis (Phase II Criteria) }		White River Valley One Exception; Cost Of \$54.45

TABLE C-27 (Continued)
VARIABLE IRRIGATION COSTS
 (Per Acre-Foot)

<u>STUDY</u> <u>QUADRANT</u>	<u>WATER</u> <u>LIFT-RANGE(1)</u>	<u>DIFFERENTIAL</u> <u>LIFT (FT)</u> <u>ASSUMED</u> <u>FOR ANALYSIS</u>
1	5-440	200
2	6-200	100
3	50-650	300
4	50-600	400
5	5-450	200
6	5-500	300
7	5-620	350
8	10-450	250
9	5-300	200
10	5-400	200
11	2-700	450
12	?	250

ANALYSIS SUMMARY (ECONOMIC REGIONAL BASIS)

WATER PROFILES

PROFILE 1

<u>ASSUMED AVERAGE</u> <u>LIFT FOR STUDY REGIONAL</u> <u>QUADRANTS</u>	<u>ASSUMED VARIABLE</u> <u>COST FOR STUDY</u> <u>REGIONAL QUADRANTS(2)</u> <u>(\$/ACRE)</u>
<u>Regional</u> <u>Quadrant</u>	<u>Lift</u> <u>(Feet)</u>
QI	280
QII	260
QIII	250

20.31
18.86
18.14

PROFILE 2

QI	500	36.27
QII	500	36.27
QIII	450	32.64

Comments:

- (1) Obtained from State of Nevada/USGS Recon Reports; Ave. values used for analysis.
- (2) Variable Cost = $(P \cdot L \cdot P_c) / \text{Eff} + \text{OM} \cdot L$

Where;

TABLE C-27 (Continued)

- P = Power (kwh) to lift 1 acre-foot of water 1 foot at 100 percent efficiency; value assumed to equal 1.024 (Cost Of Pumping Irrigation Water In Central Arizona, USDA, pg. 21-22).
- L = Lift (feet); Column 3 above.
- P_c = Power cost per kwh; assumes \$0.0343 per kwh (Schedule No. IS-1, Irrigation Service, effective June 3, 1976, Sierra Pacific Power Co., Tariff No. 1).
- Eff = Overall efficiency; assumed equal to 0.54 (Cost Of Pumping Water Tables, 1976 Arizona Field Crop Budgets).
- OM = Operation and Maintenance Costs (i.e., repairs, maintenance, lubrication and attendance per foot of lift); assumed equal to \$0.0075 (Ibid).

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-28
COMMODITY YIELD ESTIMATES
(Yields Per Acre)

<u>STUDY</u> <u>QUADRANT</u>	<u>ESTABLISH</u> <u>BARLEY(1,2)</u> (Bu)	<u>PRODUCE</u> <u>BARLEY(3)</u> (Bu)	<u>ESTABLISH</u> <u>ALFALFA(1)</u> (Ton)	<u>PRODUCE</u>		
				<u>HAY</u> (4) (Ton)	<u>SEED</u> (4) (cwt)	<u>OTHER</u> (5) (cwt or Bu)
1	24.0	72.8	2.3	3.4	4.6	2.7*
2	24.0	72.8	2.3	3.5	5.3	2.2*
3	16.6	50.3	1.7	2.5	3.1	2.7*
4	16.1	48.8	1.6	2.4	-	2.7*
5	25.0	75.9	2.4	3.5	3.8	73.5
6	22.9	69.5	2.2	3.3	3.5	64.1
7	18.9	57.2	2.0	3.1	3.0	58.9
8	20.1	60.9	1.8	2.7	2.9	60.9
9	21.3	64.6	2.5	3.8	2.9	42.8
10	21.3	64.5	2.5	3.8	2.9	55.3
11	21.6	65.4	2.5	3.8	2.9	42.9
12	24.6	74.6	3.9	5.8	-	36.0

Comments:

- * Cwt, other values in bushels; Also note that projections based upon future Water Resource Division estimated yields for areas (Table C-30) versus current and past yields.
- (1) Yields are assumed to be 33 percent for first establishment year for nurse crop and 67 percent for first establishment year of primary crop; based upon Costs And Returns From Cr And Livestock In The Upland Desert Valleys Of Nevada, Repo No. 2, Desert Research Institute, Reno, Nevada, 1966 (page 12-14); Barley production data obtained from Forecasts For The Future-Agriculture, Water For Nevada Series, Division Water Resources, Jan., 1974. Projection data for 1980 period used (Reference page 116) weighted for each quadrant similar to alfalfa (Table C-29).
- (2) Estimated yield calculated as 33 percent of weighted mean region based upon lands in the study quadrant and projected 1980 yields (reference Table C-30).
- (3) Estimated yield determined by weighted mean for region based upon lands in study quadrant (refer to Table C-30).
- (4) Average of two weighted mean values used, refer to Table C columns 3 and 4 for alfalfa hay and columns 5 and 6 for alfalfa seed.
- (5) Includes potatoes in study quadrants 1-4 and wheat in quadrants 5-12.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-29
ESTIMATED PRIMARY CROP YIELD PROJECTIONS

NEVADA STUDY QUADRANT	COUNTY	YIELDS	WRD PROJECTED	YIELDS	WRD PROJECTED
		ALFALFA HAY(1) (TONS)	ALFALFA HAY(2) (TONS)	ALFALFA SEED(3) (CWT)	ALFALFA SEED(4) (CWT)
1	Humboldt	3.25	3.46	4.47	5.42
	Pershing	3.70	3.59	5.25	6.54
	Washoe	3.65	3.08	2.22	3.57
	Wt. Mean(5)	3.57	3.30	4.42	4.79
2	Humboldt	3.25	3.46	4.47	5.42
	Pershing	3.70	3.59	5.25	6.54
	Wt. Mean(5)	3.43	3.52	4.78	5.87
3	Elko	2.50	2.34	-	-
	Eureka	2.45	3.12	-	-
	Lander	1.75	2.91	2.60	3.57
	Wt. Mean(5)	2.38	2.55	2.60	3.57
4	Elko	2.50	2.34	-	-
	Wt. Mean(5)	2.50	2.34	-	-
5	Carson City	2.30	-	-	-
	Churchill	3.75	4.32	2.22	3.57
	Douglas	3.80	3.50	-	-
	Lyon	3.65	3.77	-	-
	Mineral	2.85	3.12	-	-
	Pershing	3.70	3.59	5.25	6.54
	Storey	3.00	2.79	-	-
	Washoe	3.65	3.08	2.22	3.57
	Wt. Mean(5)	3.58	3.50	3.88	3.83
6	Churchill	3.75	4.32	2.22	3.57
	Lander	1.75	2.91	2.60	3.57
	Mineral	2.85	3.12	-	-
	Nye	4.05	3.60	2.22	3.57
	Pershing	3.70	3.59	5.25	6.54
	Wt. Mean(5)	3.18	3.38	3.05	3.89
7	Eureka	2.45	3.12	-	-
	Lander	1.75	2.91	2.60	3.57
	Nye	4.05	3.60	2.22	3.57
	Wt. Mean(5)	2.85	3.25	2.41	3.57
8	Lincoln	2.50	4.03	2.22	3.57
	Nye	4.05	3.60	2.22	3.57
	White Pine	2.35	2.51	2.22	3.57
	Wt. Mean(5)	2.54	2.77	2.22	3.57

TABLE C-29
(Continued)

NEVADA STUDY QUADRANT	COUNTY	YIELDS	WRD	YIELDS	WRD
		ALFALFA HAY (1) (TONS)	PROJECTED ALFALFA HAY (2) (TONS)	ALFALFA SEED (3) (CWT)	PROJECTED ALFALFA SEED (4) (CWT)
9	Esmeralda	3.95	4.05	-	-
	Mineral	2.85	3.12	-	-
	Nye	4.05	3.60	2.22	3.57
	Wt. Mean(5)	3.75	3.82	2.22	3.57
10	Lincoln	2.50	4.03	2.22	3.57
	Nye	4.05	3.60	2.22	3.57
	Wt. Mean(5)	3.90	3.64	2.22	3.57
11	Clark	5.40	5.79	-	-
	Lincoln	2.50	4.03	2.22	3.57
	Nye	4.05	3.60	2.22	3.57
	Wt. Mean(5)	3.16	4.36	2.22	3.57
12	Clark	5.40	5.79	-	-
	Wt. Mean(5)	5.40	5.79	-	-

Comments:

- (1) 1973-74 production yields; mean values shown for each county based upon Nevada Agricultural Statistics, 1974 and Preliminary 1975 Crop Data (Unpublished), U.S. Department of Agriculture, Reno, Nevada.
- (2) Projected 1980 yields, Water For Nevada, prepared by State Engineers Office (Water Resource Division) and Division of Agricultural and Resource Economics, Max C. Fleischman College of Agriculture, University of Nevada, Reno.
- (3) Based upon 1970-75 Production yields; weighted average value used per county based upon information provided by sources identified in Comment No.(1).
- (4) Projected 1980 yields; refer to Comment No. (2).
- (5) Weighted mean based upon percent of lands in study quadrant.

SOURCE: U.S. Department of Agriculture and State Engineers Office
(Carson City, Nevada) references specified above.

TABLE C-30
OTHER NEVADA CROP YIELD PROJECTIONS

<u>COUNTY</u>	<u>BARLEY</u> <u>(Bu/Acre)</u>	<u>POTATOES</u> <u>(cwt/Acre)</u>	<u>WHEAT</u> <u>(Bu/Acre)</u>	<u>STUDY</u> <u>QUADRANTS</u>
Carson City	N/A	275	N/A	5
Churchill	82.7	N/A	79.8	5,6
Clark	74.6	N/A	36.0	11,12
Douglas	76.0	195	63.5	5
Elko	48.8	275	65.0	3,4
Esmeralda	N/A	N/A	N/A	9
Eureka	57.8	245	65.1	3,7
Humboldt	63.5	275	72.1	1,2
Lander	49.5	261	59.8	3,6,7
Lincoln	63.1	220	43.8	8,10,11
Lyon	74.7	261	87.6	5
Mineral	N/A	165	35.9	5,6,9
Nye	64.6	138	56.6	6,7,8,9,10,11
Pershing	86.8	138	129.9	1,2,5,6
Storey	N/A	N/A	N/A	5
Washoe	70.5	330	80.7	1,5
White Pine	60.3	209	63.5	8

Comments:

N/A: Not Applicable

SOURCE: Division of Water Resources, Forecasts For The Future-Agriculture, Department of Conservation and Natural Resources, Carson City, Nevada, 1974.

TABLE C-31
OTHER NEVADA CROP YIELDS(1)
(Recent USDA Historical Statistics)

<u>COMMODITY</u>	<u>UNITS</u>	<u>AVE. PRICE</u>	<u>YIELD(PER ACRE)</u>
All Wheat	Bushel	\$ 3.84	54.85
Barley	Bushel	\$ 2.65	50.00
Oats	Bushel	\$ 1.80	46.50
Potatoes	cwt	\$ 2.85	353.00

(1) Based upon 1973-74 Nevada Statistics, except potatoes which are computed from 1974-75 Nevada data.

SOURCE: Nevada Agricultural Statistics, 1974 and Preliminary 1975 data, U.S. Department of Agriculture, Reno, Nevada.

TABLE C-32
EXPECTED COMMODITY PRICES RECEIVED

COMMODITY INVESTIGATED	UNIT	PRICES RECEIVED PER COMMODITY UNIT(1)			EXPECTED(2)	
		WTD. MIN. (\$)	WTD. AVE. (\$)	WTD. MAX. (\$)	(\$) (cwt)	(Bu)
<u>Grains</u>						
Wheat	cwt	2.44	3.79	5.14	6.06	3.64
Barley	cwt	2.32	3.22	4.12	5.15	2.47
<u>Alfalfa</u>						
Hay	ton	33.74	46.84	59.94	65.58	-
Seed	cwt	44.10	68.30	92.50	95.60	-
<u>Potatoes</u>	cwt	2.55	2.85	3.15	3.42(3)	

- (1) Reference Table C-33 in Appendix; Conditional probabilities of receiving prices based upon 22 year trend (1952-74) of 1975 Handbook of Agricultural Charts, U.S. Department of Agriculture, No. 491, page 8.
- (2) Expected prices computed as follows (based upon 1974-74 Trends Nevada Agricultural Statistics, 1974 and Preliminary Statistics 1975 (page 3)): Average Annual Expected Price (future years) 160 percent weighted (past trend) average annual mid-month market price for grains and 140 percent weighted (past trend) average annual mid-month market price for alfalfa commodities.
- (3) 120 percent average weighted annual price assumed.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-33
SUMMARY OF NEVADA COMMODITY PRICES RECEIVED
(Analysis Profile Basis)

COMMODITY	UNIT	ESTIMATED PRICES RECEIVED		
		WTD. MINIMUM	WTD. AVERAGE	WTD. MAXIMUM
<u>Grains</u>				
Wheat(1)	cwt	2.44	3.79	5.14
Barley(2)	cwt	2.32	3.22	4.12
<u>Alfalfa</u>				
Hay(3)	ton	33.74	46.84	59.94
Seed(4)	cwt	44.10	68.30	92.50
<u>Potatoes(5)</u>	cwt	2.55	2.85	3.15

- (1) Refer to Wheat Market Price Determination Table C-34, based upon seasonal weighted averages.
- (2) Refer to Barley Market Price Determination, Table C-35.
- (3) Refer to Alfalfa Hay Market Price Determination, Table C-36.
- (4) Refer to Alfalfa Seed Market Price Determination, Table C-37.
- (5) Refer to Potatoes Market Price Determination, Table C-38.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-34

WHEAT MARKET PRICES RECEIVED
(Price Per Cwt)

<u>YEAR</u>	<u>MARKET PRICE RANGE(1) (\$)</u>	<u>AVE. PRICE(2) (\$)</u>	<u>WTD. AVE. PRICE(3) (\$)</u>	<u>DEVIATION(4) (\$)</u>
1971	2.42-2.50	2.47	2.52	1.27
1972	2.50-3.25	2.67	2.83	.96
1973	3.33-6.83	4.82	6.33	2.54
1974	3.35-4.55	3.94	3.85	.06
1975	3.20-3.85	<u>3.44</u>	<u>3.40</u>	<u>.39</u>
5 Year Mean		3.47	3.79	-
Standard Deviation(5)		-	-	1.35

- (1) Compiled from Nevada Agricultural Statistics, 1974 and preliminary 1975 surveys, Statistical Reporting Service, Department of Agriculture, Reno, Nevada.
- (2) Average price based upon calendar year mid-month prices; Refer Comment(1) sources.
- (3) Weighted price based upon crop marketing season; Reference Comment (1) sources.
- (4) Deviation from 5 Year Mean Weighted Average Market Price.
- (5) Standard deviation of weighted average market price based upon 5 year period.

SOURCE: U.S. Department of Agriculture, Reno, Nevada.

TABLE C-35
BARLEY MARKET PRICES RECEIVED(1)
(Price Per Cwt)

<u>YEAR</u>	<u>MARKET PRICE RANGE (\$)</u>	<u>AVE. PRICE (\$)</u>	<u>WTD. AVE. PRICE (\$)</u>	<u>DEVIATION (\$)</u>
1971	2.71-2.92	2.74	2.73	.49
1972	2.71-3.13	2.82	2.90	.32
1973	3.33-5.10	4.12	5.00	1.78
1974	2.30-3.20	2.70	2.90	.32
1975	2.50-3.05	2.64	2.55	.67
5 Year Mean		3.00	3.22	-
Standard Deviation		-	-	.90

(1) Refer to Table C-32 Comments for source references.

SOURCE: U.S. Department of Agriculture, Reno, Nevada.

TABLE C-36
ALFALFA HAY MARKET PRICES RECEIVED(1)
(Price Per Ton)

<u>YEAR</u>	<u>MARKET PRICE RANGE (\$)</u>	<u>AVE. PRICE (\$)</u>	<u>WTD. AVE. PRICE (\$)</u>	<u>DEVIATION (\$)</u>
1971	28.50-30.50	29.38	30.70	16.14
1972	31.50-34.00	32.20	34.60	12.24
1973	35.00-64.00	45.83	(2)	1.01
1974	61.50-67.50	64.21	(2)	17.37
1975	55.00-62.00	58.88	(2)	12.04
5 Year Mean		46.10	46.84	-
Standard Deviation(3)		-	-	13.10

(1) Refer to Table C-32 Comments for source references.

(2) Weighted average market price not available.

(3) Weighted average prices used for 1971-72; Average prices used for 1973-75.

SOURCE: U.S. Department of Agriculture, Reno, Nevada.

TABLE C-37
ALFALFA SEED MARKET PRICES RECEIVED(1)
(Price Per Cwt)

<u>YEAR</u>	<u>MARKET PRICE RANGE (\$)</u>	<u>AVE. PRICE (\$)</u>	<u>WTD. AVE. PRICE (\$)</u>	<u>DEVIATION (\$)</u>
1971	36.00- 37.50	37.10	37.50	30.80
1972	37.50- 50.00	39.70	42.00	26.30
1973	48.00-100.00	73.57	88.00	19.70
1974	97.00-110.00	102.89	97.00	28.70
1975	77.00- 96.00	<u>84.22</u>	<u>77.00</u>	<u>8.70</u>
5 Year Mean		67.50	68.30	-
Standard Deviation		-	-	24.20

(1) Refer to Table C-32 Comments for source references.

SOURCE: U.S. Department of Agriculture, Reno, Nevada.

TABLE C-38
POTATOES MARKET PRICES RECEIVED(1)
(Price Per Cwt)

<u>YEAR(2)</u>	<u>AVERAGE PRICE (\$)</u>	<u>DEVIATION</u>
1974	2.55	.30
1975	3.15	.30
2 Year Mean	2.85	-
Standard Deviation(3)	-	.30

- (1) Information compiled from Nevada Agricultural Statistics, 1974 and 1975 preliminary data provided by U.S. Department of Agriculture, Reno, Nevada.
- (2) Prior year yields in Nevada insufficient to provide representative profile.
- (3) Only two years of multi-county data available.

SOURCE: U.S. Department of Agriculture, Reno, Nevada.

TABLE C-39

OPERATION VARIABLE COSTS
PRODUCTION PROFILE 1: GRAIN TO ALFALFA HAY

PRODUCTION YEAR	MACH PROFILE 1			MACH PROFILE 2			MACH PROFILE 3		
	QI	QII	QIII	QI	QII	QIII	QI	QII	QIII
1	84.04	79.10	97.60	88.62	83.43	102.69	87.03	81.83	100.71
2	70.69	65.20	75.23	74.20	68.45	78.91	71.73	66.17	76.31
3	70.69	65.20	75.23	74.20	68.45	78.91	71.73	66.17	76.31
4	70.67	69.30	93.35	76.13	74.28	100.77	70.84	69.59	93.79
5	78.60	97.66	125.29	82.76	102.73	132.13	78.57	97.63	125.25
6	78.60	97.66	125.29	82.76	102.73	132.13	78.57	97.63	125.25
7	78.60	97.66	125.29	82.76	102.73	132.13	78.57	97.63	125.25
8	78.60	97.66	125.29	82.76	102.73	132.13	78.57	97.63	125.25
9	78.60	97.66	125.29	82.76	102.73	132.13	78.57	97.63	125.25
10	78.60	97.66	125.29	82.76	102.73	132.13	78.57	97.63	125.25
TOTAL	767.71	864.76	1093.15	809.71	910.99	1154.06	772.75	869.54	1098.62
AVERAGE ANNUAL	76.77	86.48	109.32	80.97	91.10	115.41	77.28	86.95	109.86

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-40

OPERATION VARIABLE COSTS
PRODUCTION PROFILE 2: GRAIN TO ALFALFA SEED (1)

PRODUCTION YEAR	MACH PROFILE 1			MACH PROFILE 2			MACH PROFILE 3		
	QI	QII	QIII	QI	QII	QIII	QI	QII	QIII
1	84.04	79.10	97.60	88.62	83.43	102.69	87.03	81.83	100.71
2	70.69	65.20	75.23	74.20	68.45	78.91	71.73	66.17	76.31
3	70.69	65.20	75.23	74.20	68.45	78.91	71.73	66.17	76.31
4	70.67	69.30	93.35	76.13	74.28	100.77	70.84	69.59	93.79
5	137.65	166.26	125.29	142.65	172.47	132.13	137.62	166.23	125.25
6	137.65	166.26	125.29	142.65	172.47	132.13	137.62	166.23	125.25
7	137.65	166.26	125.29	142.65	172.47	132.13	137.62	166.23	125.25
8	137.65	166.26	125.29	142.65	172.47	132.13	137.62	166.23	125.25
9	137.65	166.26	125.29	142.65	172.47	132.13	137.62	166.23	125.25
10	137.65	166.26	125.29	142.65	172.47	132.13	137.62	166.23	125.25
TOTAL	1121.99	1276.36	1093.15	1169.05	1329.43	1154.06	1127.05	1281.14	1098.62
AVERAGE									
ANNUAL	112.20	127.64	109.32	116.91	132.94	115.41	112.71	128.11	109.86

Comments:

(1) Assumes alfalfa hay production in Regional Quad QIII.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-41

OPERATION VARIABLE COSTS
PRODUCTION PROFILE 3: GRAIN TO MULTIPLE CROPS(1)

PRODUCTION YEAR	MACH PROFILE 1			MACH PROFILE 2			MACH PROFILE 3		
	QI	QII	QIII	QI	QII	QIII	QI	QII	QIII
1	84.04	79.10	97.60	88.62	83.43	102.69	87.03	81.83	100.71
2	70.69	65.20	75.23	74.20	68.45	78.91	71.73	66.17	76.31
3	70.69	65.20	75.23	74.20	68.45	78.91	71.73	66.17	76.31
4	70.67	69.30	93.35	76.13	74.28	100.77	70.84	69.59	93.79
5	74.64	81.43	100.26	78.48	85.59	105.52	75.15	76.90	100.78
6	74.64	81.43	100.26	78.48	85.59	105.52	75.15	76.90	100.78
7	74.64	81.43	100.26	78.48	85.59	105.52	75.15	76.90	100.78
8	74.64	81.43	100.26	78.48	85.59	105.52	75.15	76.90	100.78
9	74.64	81.43	100.26	78.48	85.59	105.52	75.15	76.90	100.78
10	74.64	81.43	100.26	78.48	85.59	105.52	75.15	76.90	100.78
TOTAL	743.93	770.38	942.97	784.03	808.15	994.4	752.23	745.16	951.8
AVERAGE	74.39	77.04	94.30	78.40	80.82	99.44	75.22	74.52	95.18

Comments:

(1) Assumes production cost mix equivalent to average of alfalfa hay and grains for production years 5-10.

SOURCE: BRI Systems, Inc., Phoenix, Arizona.

TABLE C-42

NEVADA AGRICULTURAL STATISTICS 1975

ALFALFA SEED: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY COUNTIES, 1970-75

Year : Humboldt : Pershing : Lander : All Other 1/ : Nevada Total

Acreage Harvested

Acres

1970 :	9,800	7,200	5,500	1,000	23,500
1971 :	7,500	7,600	2,800	1,000	19,500
1972 :	7,000	8,300	2,200	1,000	18,500
1973 :	7,600	9,800	2,100	1,000	20,500
1974 :	8,000	11,000	1,500	500	21,000
1975 :	7,500	11,000	*	500	19,000
1976 :					

Yield Per Acre

Pounds

1970 :	330	630	160	165	375
1971 :	620	605	250	125	520
1972 :	545	565	250	200	500
1973 :	460	435	290	140	415
1974 :	410	405	350	300	400
1975 :	315	510	*	400	430
1976 :					

Production of Clean Seed

Thousand Pounds

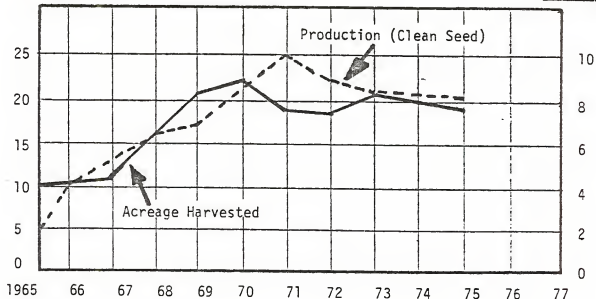
1970 :	3,232	4,536	880	165	8,813
1971 :	4,650	4,590	700	200	10,140
1972 :	3,815	4,685	550	200	9,250
1973 :	3,496	4,263	609	140	8,508
1974 :	3,320	4,440	525	115	8,400
1975 :	2,360	5,610	*	200	8,170
1976 :					

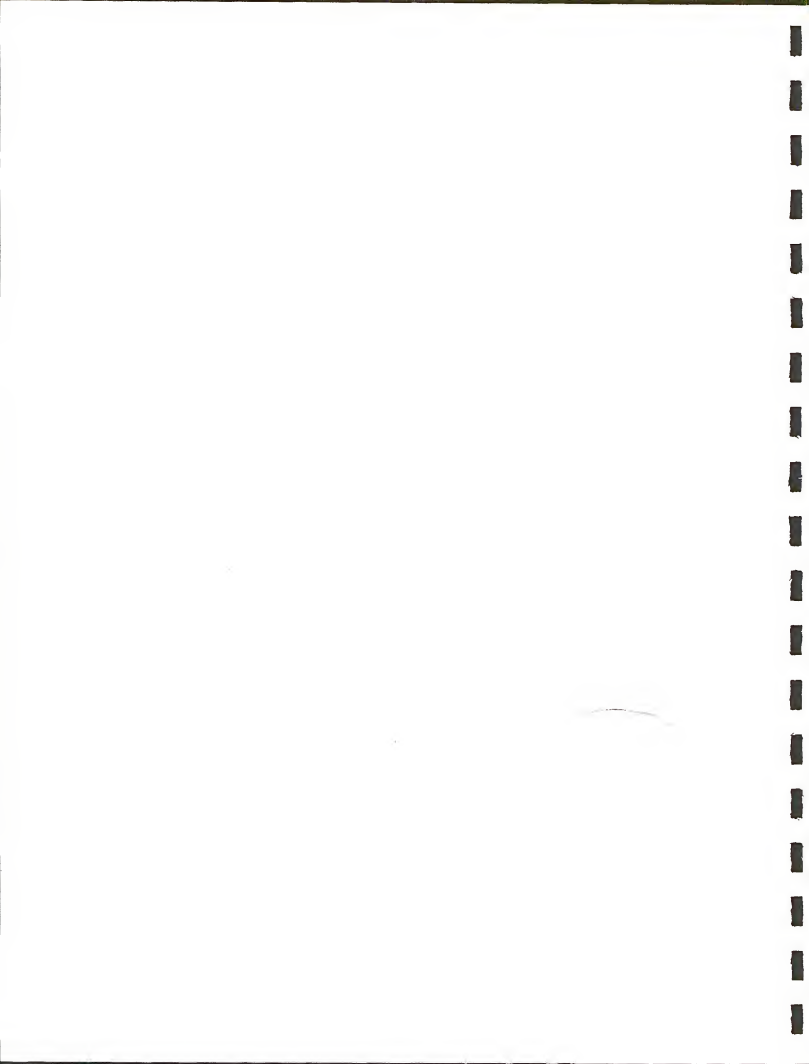
1/ Churchill, Lincoln, Nye, Washoe and White Pine. * Included with All Others.

ALFALFA SEED ACREAGE HARVESTED AND PRODUCTION, NEVADA, 1965-75

Thou. Acres

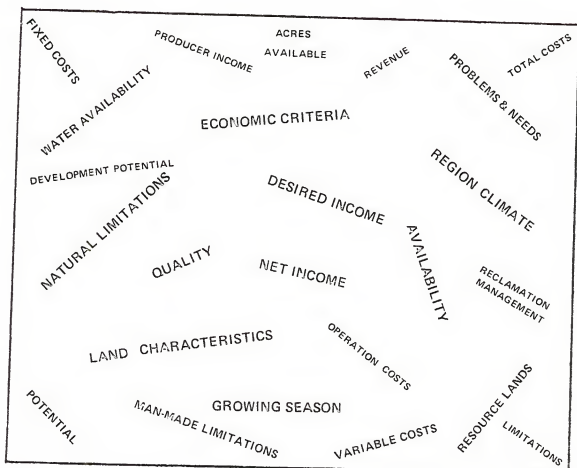
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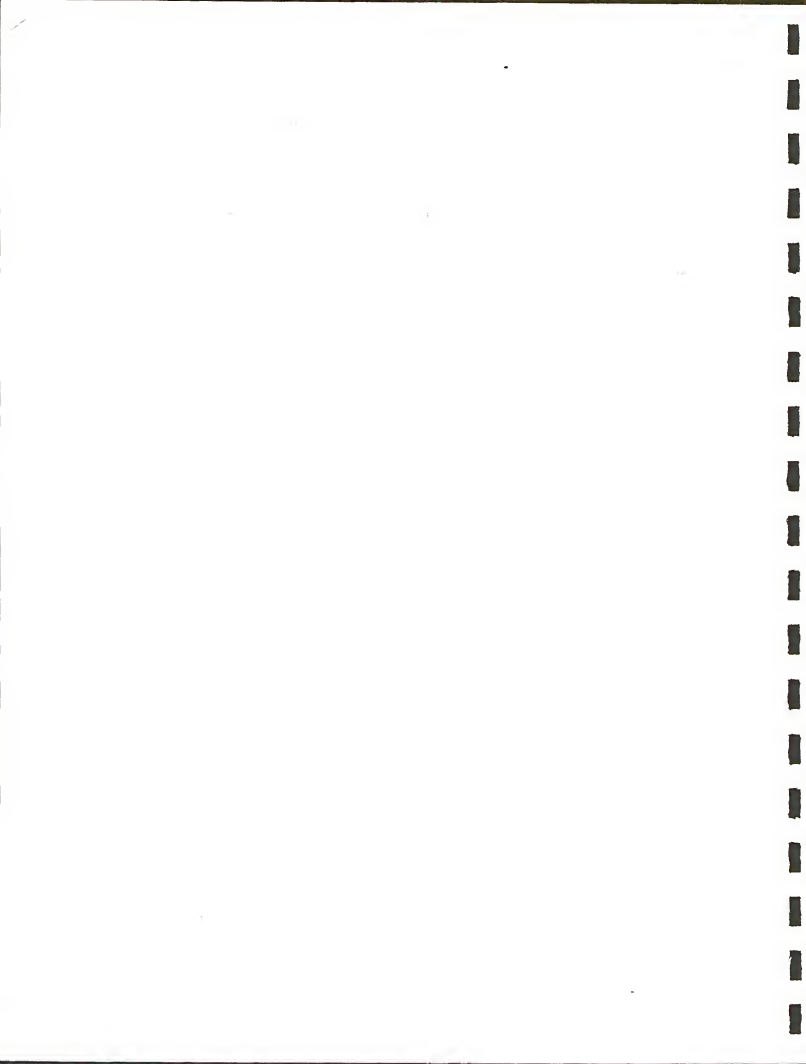




APPENDIX D

BIBLIOGRAPHY





APPENDIX D-1

BIBLIOGRAPHY

The Bibliography lists the principal sources that were referenced in the conduct of the study. Studies, reconnaissance surveys, soil surveys, and related information addressed in the report and the prior Appendices are listed. In general, informational brochures and pamphlets are not included in this listing. The crop production brochures referenced in the report and Appendices are available from the Cooperative Extension Service, Max C. Fleischman College of Agriculture, University of Nevada, Reno, Nevada.

Certain references listed have a numerical value following them. This value corresponds to the reference numbers of the Appendix B Arrays.

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